

NBH/PC-14/C12/

Through Email

Date: 18.11.2022

To,

The Director (M),

Ministry of Environment, Forest & Climate Change,

Indira Paryavaran Bhawan,

JOR Bagh Road, Aliganj,

New Delhi-110003**Sub: Environmental Clearance Compliance report of Maliakhara Limestone Mine (ML 04/2003) by J. K. Cement Works, Nimbahera, Dist. Chittorgarh, (Rajasthan (J. K. Cement Ltd.).**Ref.: EC letter no. - J-11015/42/2019/-IA. II (M) dated. 19th August 2021

Dear Sir,

Kindly refer to the above subject matter and refer EC letter no., please find attached herewith compliance of EC for the period of **April 2022 to September 2022.**As per MoEF & CC notification no. S.O. 5845 (E) 26.11.2018 the soft copy of same has been sent through email to iro.jaipur-mefcc@gov.in, moef@nic.in, ccb.cpcb@nic.in, member-secretary@rpcb.nic.in, cpcb.bhopal@gov.in, monitoring-ec@nic.in.

We hope that the compliance is in order.

Thanking you.

Yours Faithfully

For J. K. Cement Works, Nimbahera**R. B. M Tripathi****President (Operations)****Encl: as above****Copy to:**

1. The Deputy Director(S), Ministry of Environment, Forests & Climate Change, Integrated Regional office, Jaipur, A-218, Aranya Bhawan, Jhalana Institutional Area, **Jaipur-302004**
2. The Regional Director, Central Pollution Control Board, Paryavaran Parisar, E-5, Arera colony, **Bhopal (M.P) 462016**
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-CUM office complex, East Arjun Nagar, **New Delhi 110032.**
4. The Chairman, Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana Doongri, **Jaipur - 302004 (Rajasthan)**

Corporate Office

- Padam Tower, 19 DDA Community Centre Okhla, Phase - 1, New Delhi - 110020, India
- +011-49220000
- admin.padamtower@jkcement.com
- www.jkcement.com

JK SUPER CEMENT
BUILD SAFE**Manufacturing Units at :**Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)
Jharti (Haryana) | Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)**JK CEMENT WallMaxX**
White Cement Wall Putty

Form for Uploading Six Monthly Compliance Report

Proposal Details

Proposal No.	IA/RJ/MIN/210712/2019	Project Name	Proposal for Environmental Clearance for Expansion of Maliakhhera Limestone Mine (ML No.: 04/2003, Area-315.409 Ha.) from 3.2 Million TPA (Limestone) to 6.3 Million TPA of Total Excavation (Limestone: - 5.6 Million TPA, Inter-burden (Clay)/ Screen rejects/Waste:- 0.245 Million TPA, Sub-grade Mineral (Mineral rejects):- 0.425 Million TPA and Top Soil: - 0.030 Million TPA) with No change in existing crusher (1500 TPH) & OLBC situated at Village - Maliakhhera, Tehsil - Nimbahera and District - Chittorgarh, Rajasthan by M/s. J.K. Cement Limited, Kanpur.
Category	A	MoEF File No.	J-11015/42/2019-IA.II (M) dated 19/08/2021
Name of the Entity / Corporate Office*	M/s. J.K. Cement Works, Nimbahera, Kailash Nagar, District Chittorgarh-31261, Rajasthan (unit of J K Cement Limited, Kanpur)		
Entity's PAN*	AABCJ0355R		
Entity Name as per PAN	J K CEMENT LIMITED.		

Compliance Letter/Report

Reporting Year*	2022	Reporting Period*	April-2022 to September-2022
Remarks (if any)	Submitting herewith the Six Monthly EC Compliance Report for the period: April-2022 to September-2022 of Maliakhhera Limestone Mine (ML No.: 04/2003, Area - 315.409 Ha.) from 3.2 Million TPA (Limestone) to 6.3 Million TPA of Total Excavation with No change in existing crusher (1500 TPH) & OLBC situated at Village - Maliakhhera, Tehsil - Nimbahera and District - Chittorgarh, Rajasthan by M/s. J.K. Cement Limited, Kanpur.		

Details of Production and Project Area

Date of Commencement of Project /Activity:*	15.04.1986	Project Area as Per EC Granted (In Case of Mine Lease):*	315.409 ha.
Actual Project Area (In Case of Mine Lease):*	265.66 ha.		

		PRODUCTION CAPACITY : Detail of Mines Excavation Quantity for the FY: 2022-23 (till September-2022)			
S. No	Particulars	Unit	Permitted Quantity As Per EC	Production during last Financial Year: 2021-22	Actual Production Quantity for the FY: 2022-23 (Till Sept-2022)
1	Cement Grade Limestone	Million TPA	5.600	3.633279	2.319901
2	Sub-Grade Limestone	Million TPA	0.425	0.317649	0.179160
3	IB/Screen Reject/Waste	Million TPA	0.245	0.058467	0.020446
4	Top Soil	Million TPA	0.030	0.019440	0.014735
Total Excavation Quantity		Million TPA	6.300	4.028835	2.534242


Maliakhara Limestone Mine (M.L. No.: 04/2003, ML Area: 315.409 ha.)

EC Compliance Report: April-2022 to September-2022

Environmental Clearance for Expansion of Maliakhara Limestone Mine (ML No.: 04/2003, Area-315.409 Ha.) from 3.2 Million TPA (Limestone) to 6.3 Million TPA of Total Excavation (Limestone: - 5.6 Million TPA, Inter-burden (Clay)/ Screen rejects/Waste:- 0.245 Million TPA, Sub-grade Mineral (Mineral rejects):- 0.425 Million TPA and Top Soil: - 0.030 Million TPA) with No change in existing crusher (1500 TPH) & OLBC situated at Village – Maliakhara, Tehsil–Nimbahera and District – Chittorgarh, Rajasthan by M/s. J.K. Cement Limited, Kanpur.

Environment Clearance vide No.: J-11015/42/2019-IA.II (M), dated 19/08/2021

A. SPECIFIC CONDITION				
S. No.	Condition Type	Condition Details	Self Declaration	Remarks / Reason
1	Statutory compliance	The safety zone from nearby village currently maintained at 300 m till the life of mine must be maintained and in case if there is a plan to access less than this distance, specific statutory permission will be required for accessing the minerals, besides, fresh studies to assess impacts of blasting on the adjoining village due to noise, vibration and air pollution be done and submitted.	Complied	Safety zone of 300 m has been maintained toward Maliakhara & Pipliya-Gadiya Villages, same will be maintained till conceptual stage. If any changes prior permission will be obtained.
2	Statutory compliance	The project proponent should explore the possibility of plantation in the adjoining area outside the lease boundary between the village and the mine lease to create a barrier of at least 50 m width belt.	Complied	Nearest village from mine lease are Maliakhara and Pipliya-Gadiya which plantation work is going on in width of more than 50m within mine lease.
3	Mining Plan	It is proposed to create a water reservoir at 215.902 Ha at the end of closure of mine. PP must submit a detailed plan that how will this water reservoir be protected, utilized for villagers in agriculture after necessary treatment.	Complied	Agreed & noted.

4	Mining Plan	The project proponent should explore the possibility of use of permanent water sprinklers for control of dust on the haul roads within the mine lease area.	Complied	<ul style="list-style-type: none"> Unit has deployed two nos. of mobile water tankers of 18 KL & 10 KL capacity for regular water sprinkling on the haul roads to prevent dust generation during transportation of limestone through dumpers. Water tanker has also been equipped with high pressure jet system to wet the blasted muck for suppression the fugitive dust emission during loading activity. Unit has implemented the permanent water sprinklers on ramp of crusher. 										
5	Mining Plan	PP should ensure plantation in the mined out pits in the benches which are not sub-merged in water with 95% survival rate.	Complied	Presently, mine pits are in active condition, plantation will be done in the benches of mined out pits.										
6	Mining Plan	OLBC must be completed within 5 months as committed during the presentation.	Complied	OLBC has been commissioned on 12/01/2022, which has intimated to Ministry.										
7	Mining Plan	PP must not exceed the total excavation that it has considered for preparation of EMP at any time during the operation.	Complied	<p>Excavation quantity is maintaining well within the permitted limit. Details of excavation for the FY: 2022-23 (till Sept-22) is as below:</p> <table border="1"> <thead> <tr> <th>S. N.</th><th>Limestone</th><th>IB/Screen reject/Waste</th><th>Sub Grade (Mineral Reject)</th><th>Top Soil</th></tr> </thead> <tbody> <tr> <td>1.</td><td>2319901.65</td><td>20446</td><td>179160</td><td>14735</td></tr> </tbody> </table>	S. N.	Limestone	IB/Screen reject/Waste	Sub Grade (Mineral Reject)	Top Soil	1.	2319901.65	20446	179160	14735
S. N.	Limestone	IB/Screen reject/Waste	Sub Grade (Mineral Reject)	Top Soil										
1.	2319901.65	20446	179160	14735										
8	Green Belt	The PP must submit the status report of plantation in the periphery, non-mineral zone, safety zone, avenue plantation, and either side of village road to the Ministry in every 6 months.	Complied	<p>Details of plantation developed are below: -</p> <table border="1"> <thead> <tr> <th>Location of plantation</th><th>Total Area</th><th>Total Plantation Up to March 2022</th><th>Total Plantation in nos. FY-2022-23 upto Sept</th><th>Remark</th></tr> </thead> <tbody> <tr> <td>Periphery area (Safety Zone)</td><td>6.128 ha</td><td>3.05 ha covered with 7624 nos</td><td>-</td><td>Remaining Periphery plantation area 3.078 ha will be done in remaining period of FY 2022-23</td></tr> </tbody> </table>	Location of plantation	Total Area	Total Plantation Up to March 2022	Total Plantation in nos. FY-2022-23 upto Sept	Remark	Periphery area (Safety Zone)	6.128 ha	3.05 ha covered with 7624 nos	-	Remaining Periphery plantation area 3.078 ha will be done in remaining period of FY 2022-23
Location of plantation	Total Area	Total Plantation Up to March 2022	Total Plantation in nos. FY-2022-23 upto Sept	Remark										
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Total Area		38.775 ha (80895 sapling)	1.33 ha (10014 saplings)											
9	Statutory compliance	The compliance to public hearing as indicated in the table with an investment of 514 Lakhs be submitted annually to the Ministry	Complied	Details of PH issue addressed are in below table:										

Details of PH issue addressed are in below table:

S. N.	Activity Head	CSR Project or activities	Time bound Action Plan with Budgetary allocation	Capital Cost (Amount Rs. in Lakh)					
				2021-22	Work Completion Status	2022-23	Work Completion Status	2023-24	Total
	Community Infrastructure Development	Gaushala in Village Maliakheri.	There is an issue of land availability from panchayat however, proposal for Construction of Gaushala in village Maliakhedi has been taken up, which will be done in FY 2021-22 with a budget of Rs. 10 Lakh.	10	There is an issue of land availability from panchayat	-	There is an issue of land availability from panchayat	-	10
		Dairy building in Village- Karunda	Proposal for Construction of dairy building in village Karunda has been taken up, which will be done in FY 2021-22 after getting proposal from Panchayat.	20	There is an issue of land availability from panchayat	-	There is an issue of land availability from panchayat	-	20
		CC road in Village- Maliakheri	Repair of CC road in Village Maliakheri of 2.4 Kms will be done.	-	-	-	-	30	30
		Construction of Community Center and drainage in Village Bansa & Renovation of Bathroom.	Community Center and Drainage in Village Basa will be done in FY 2021-22 & 2022-23 respectively	20	Completed (Rs. 20 lacs)	10	Completed (Rs. 10 lacs)	-	30
		Construction of Community Center in village Karunda	Construction of community center will be done in FY 2023-2024 after land allotment by panchayat.	-	-	20	To be completed	20	40
		CC road from main road to temple in Village Pipaliya Gadiya	Construction of CC road from main road to temple in Village Karunda i.e.: 800-900 m length will be constructed by year 2021-22.	20	Completed (Rs. 15 lacs)	-	-	-	20

	Construction of New School Bulding in Maliakhera Village (3Rooms & Baramda . Toilet)	Construction of school building which will be done in FY 2021-22 (30 Lakh for school building 18X20 square feet and 6 feet baramda) and 10 Lakh for toilet in FY 2022-23.	30	Completed (Rs. 28 lacs)	10	Completed (Rs. 10 lacs)	-	40
	Beautification of Pond and a garden with open gym in the village Karunda.	Beautification of Pond and a garden with open gym will be done in the village Karunda by year 2022-23 and Year 2023-24 respectively.	-	-	15	Will be completed	10	25
	CC road along with drain construction work in Village- Saand.	Construction work of CC road (800 -900 Mtr) along with drainage in village sand will be done by the Company in FY 2021-22 with the expenditure 18 Lakh.	18	Completed (Rs. 19 lacs)	-	-	-	18
	CC Road in Maliakheri.	Budget of Rs. 26 Lakhs was allotted for the construction of CC Road (Length: 2.4 Km) in Maliakhera Village. Work will be done in year 2021-22.	14	Will be completed	12	Ongoing	-	26
	CC road and drainage in Village Dhanora	Construction of CC road (800-900 mtr) and drainage in Village Dhanora will be done in year 2021-22	20	Completed (Rs. 19 lacs)	-	-	-	20
	Gravel Gitty link road between Village Bansa and Piplia	Construction of gravel gitty link road (2.0 km) will be done in year 2022-23 .	-	-	20	Completed (Rs. 20 lacs)	-	20
	Community building work-village saand.	Construction of Community building work (80 X 20 Square feet) will be done in year 2022-23.	-	-	30	On going	-	30
	Burial sites development work in Pairy, Sanda, Shergarh and Pipilia.	Total budget of Rs. 42.0 Lakh has been taken for development work of Burial sites in four village (Payri 10 Lakh, Saand 7 Lakh, Shergarh 5 lakh and in Pipliya 20 Lakh) and work will be done in year 2022-23 and 2023-24 respectively.	-	-	17	On going	25	42
	School building and campus at Village Pipliya and Shergarh.	Construction of school building (3 rooms of 18 X 20 square feet) in Village Pipliya and shergarh will be done in year 2022-23 and 2023-24 respectively.	-	-	20	To be done after land provided by Government dept.	20	40
	Boy and girl toilets Village Saand	Construction of toilets (10 X 20 square feet) in Village Saand will be done in year 2021-22.	5	Will be completed	-	-	-	5
	Community Hall in Phalwa Village	Work is going on and will be completed in the year 2022-23.	30	Completed (Rs. 18 lacs)	15	To be done	-	45

		Road from JK main road to school at Village Peerkheda	Construction of road (0.7.km) from JK main road to school and work will be done in the year 2022-23.	-	-	4	-	-	4
2	Drinking Water	Tubewell in school in Village Peerkheda	Work will be done in the year 2021-22.	2	Will be completed	-	-	-	2
		Pipeline for drinking water in entire Paity, Karunda and Pipaliya Gadia village.	900 pipes required for all three village and approx. 1.5 KM distance will be done in FY 2021-22.	20	Completed (Rs. 20 lacs)	-	-	-	20
3	Local Needs	Need based	Total project cost is Rs. 87.70 Crore and considering 2% of project cost, total CER cost comes to Rs. 175 lacs. However, we are proposing CER Cost of Rs. 514 lacs. Accordingly there is an additional provision of Rs. 27 lacs to meet the instant requirement from the community	-	-	-	-	27	27
Total				209	139	173	40	132	514
10	Miscellaneous	Submit the update on implementation of Wildlife Conservation Plan both specific to this mine expenditure as well as combined expenditure annually.	Complied	<p>Combined WLCP has been prepared for 5 Nos. of captive Limestone Mines and 2 Nos. of Integrated Cement Plant of J K Cement Ltd are situated within 10 Km radius in Tehsil Nimbahera, Chittorgarh District. Wildlife Conservation Plan (WCP) has been prepared for 6 Schedule-I Species found in the buffer area during the survey i.e.: -</p> <p>a) Pavocristatus (Indian Peafowl), b) Pantherapadusfusca (Indian Leopard), c) Prionailurusrubiginosus (Rusty-Spotted Cat), d) Canis lupus pallipes (Indian Wolf), e) Varanusbengalensis (Indian Monitor Lizard) f) Gyps indicus/Gyps bengalensis (Indian Vulture)</p> <p>Wild life conservation plan has been forwarded by the DFO - Chittorgarh to Divisional Chief Conservator of Forest vide letter No.: F(5) Survey/UVS/2021-22/4089 dated 13.07.2021 and accordingly 20% amount of Rs. 57.07 Lakh deposited to DFO - Chittorgarh against the total amount of WCP of Rs. 285.30/- Cr in July-2021.</p>					
11	Miscellaneous	At the time of revision of mining plan, EMP if modified, for a peak production be submitted along with the revised mining plan to the Ministry.	Yet to be complied	Agreed, no any revision of mining plan, EMP yet being done.					

12	Greenbelt	The study carried out by drone and shown during the presentation must be submitted to the Ministry for the purpose of record.	Complied	Plantation status shown by drone during EAC meeting has been submitted to the MoEF&CC on 30/11/2021.
B. STANDARD CONDITIONS:				
I. Statutory Compliance				
1	Statutory compliance	This Environmental Clearance (EC) is subject to orders/judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.	Complied	Completed
2	Statutory compliance	The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2 nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.	Complied	Unit is complies with all the statutory requirements.
3	Statutory compliance	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2 nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.	Complied	Certificate issued by Mining Department regarding the "No Dues "of compensation levied. NOC letter submitted along with Compliance report on dated 25.05.2022.
4	Statutory compliance	This Environmental Clearance shall become operational only after receiving formal NBWL Clearance from MoEF&CC subsequent to the recommendations of the Standing Committee of National Board for Wildlife, if applicable to the Project.	Complied	Not applicable
5	Statutory compliance	This environmental clearance shall become operational only after receiving formal forest clearance (FC) under the provision of forest	Complied	Not applicable

		conservation act, 1980, if applicable to the project.		
6	Statutory compliance	Project proponent (PP) shall obtain consent to operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining consent to establish/consent to operate from the concerned state pollution control board /committee.	Complied	Unit has obtained the CTE & CTO from RSPCB: <ul style="list-style-type: none"> • CTE granted by RSPCB vide letter No.: F (Mines)/Chittorgarh (Nimbahera)/1869 (1)/2017-2018/3705-3709, Order No.: 2021-2022/Mines/10328, dt. 29.10.2021. • CTO granted by RSPCB vide letter No.: F (Mines)/Chittorgarh (Nimbahera)/1869(1) /2017-2018/3905-3909, Order No.: 2021-2022/Mines/10333 dated 12/11/2021, valid up to 31/10/2026.
7	Statutory compliance	The PP shall adhere to the provision of the Mines Act, 1952, Mines and mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. PP shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian bureau of mines from time to time.	Complied	Agreed and complied.
8	Statutory compliance	The project proponent shall obtain consents from all the concerned land owners, before start of mining operations as per the provisions of MMDR Act, 1957 and rules made there under in respect of lands which are not owned by it.	Complied	Agreed, land owners have no any concern.
9	Statutory compliance	The project proponent shall follow the mitigation measures provided in MOEFCC's office memorandum No. Z-1103/57/2014-IA.II(M), dated 29 th October, 2014, titled "Impact of mining activities on Habitations - issues related to the mining projects wherein habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area"	Complied	Unit has taken the following measures to reduces the impact of mining activities on habitations: - <ol style="list-style-type: none"> 1. Garland drain constructed, 2. Siltation pond facilitated, 3. Regular water spray on haul road is being done, 4. Rain water collected in mine pit and as per requirement of villagers, water is being supplied to nearby villagers during the lean period, 5. Mask light are being kept in off mode during night period, 6. Control blasting has been implemented, 7. Company own road used for limestone transportation, and 8. Carried out dense plantation.
10	Statutory compliance	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water	Complied	Unit has obtained Combined NOC for ground water withdrawal for Plant & Mines from CGWA vide letter No.: CGWA/NOC/MIN/REN /2/2021/6354, dated 28.10.2020, valid till 27/10/2022.

		from CGWA for withdrawal of ground water for the project.		
11	Statutory compliance	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.	Complied	EC copy had been submitted to concern Panchayat, Zila Parishad, DIC Office, District Collector, SDM Office vide letter No.: NBH/ PC-A/EC-M/KRD/13, dated 23.08.2021. Receipt copy of the same has been submitted along with half yearly compliance report on 25/05/2022.
12	Statutory compliance	State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.	Complied	Agreed & Noted.
13	Statutory compliance	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEF&CC Regional Office for compliance and record.	Complied	EC granted information published in two local newspapers i.e.: Dainik Bhasker and Rajasthan Patrika on 24/08/2021 and proof of the same has been submitted along with last EC half yearly compliance report.
14	Statutory compliance	The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.	Complied	If any change in ownership of mining will be intimated to the ministry.
II.	Air Quality Monitoring And Preservation			

1	Air Quality Monitoring And Preservation	The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations of air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No.: B-29016/20/ 90/PCI/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the Main Gate of the mine site.	Complied	Three (03) nos. of CAAQMS has been installed all along the mine lease boundary: - 1. Near Magazine towards Village Falwa & Peer Khera. 2. Mine Office towards Village Karunda, Pipaliya and Maliakhera. 3. Towards Village Charlia (Common for Karunda mine and Maliakhera mine). Digital display board has been provided at Mine Office. CAAQMS data has been uploaded on CPCB and RSPCB portals.
2	Air Quality Monitoring And Preservation	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metaled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipment's/machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC /Central Pollution Control Board.	Complied	Following safeguard measures taken for prevention of dust generation: - <ul style="list-style-type: none"> • Regular water sprinkling is being done on haul roads and water sprinkling system has been provided at the unloading point to control the fugitive emission. • Air pollution control equipment's like bag filters, dry fogging system has been installed at crusher to avoid generation of dust while crushing the limestone. • Ambient air quality monitoring is being carried out on regular basis by NABL accredited laboratory. • Detail Ambient air quality and fugitive emission monitoring reports for the period: Apr-22 to Sept-22 are enclosed as <u>Annexure-1</u> and <u>Annexure-2</u>, respectively.

III	Water Quality Monitoring And Preservation			
1	Water Quality Monitoring And Preservation	In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEF&CC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.	Complied	Unit has obtained the NOC for Mines Seepage permission from CGWA vide NOC No.: CGWA/NOC/MIN/ ORIG/2022/14762, dated 10/03/2022, valid till 09/03/2024.
2	Water Quality Monitoring And Preservation	Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug wall located in village should be incorporated to ascertain the impact of mining over ground water table. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.	Complied	<ul style="list-style-type: none"> • No natural water course and / or water resources will be obstructed due to any mining operation. • Ground water level and quality report submitted on six-monthly basis to the Regional Office of the MoEF&CC, CGWA/ CGWB and SPC Board.
3	Water Quality Monitoring And Preservation	Project Proponent shall regularly monitor and maintain records w.r.t. groundwater level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the	Complied	<ul style="list-style-type: none"> • Regular monitoring of ground water level and quality is being carried out in and around the mining lease area as per the Environment Management Plan and approved Mining plan by establishing a network of existing wells.

		mining operation in consultation with Central Ground Water Authority/State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department/State Pollution Control Board.		<ul style="list-style-type: none"> • Unit has installed 3 nos. of manual piezometer for periodic measurement & one DWLR (Digital water level Recorder) with telemetry system for online monitoring of ground water level. • Detail ground water level monitoring report for the period: Apr-22 to Sept-22 is enclosed as <u>Annexure-3</u>.
4	Water Quality Monitoring And Preservation	The Project Proponent shall undertake regular monitoring of natural water course/water resources/springs and perennial nallahs existing/ flowing in and around the mine lease and maintain its records. The project proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby/adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-a-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEF&CC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz.: Pre- monsoon (April-May), Monsoon (August), Post-monsoon (November) and Winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.	Complied	Unit is monitoring the ground water quality on quarterly basis i.e.: Pre-monsoon (April-May), Monsoon (August), Post-monsoon (November) and Winter (January) by deploying NABL accredited Laboratory. Detail ground water quality analysis report for the period: Pre- monsoon (April-May) and Monsoon (August) are enclosed as <u>Annexure-4</u> .

		Clearly showing the trend analysis on six-monthly basis.		
5	Water Quality Monitoring And Preservation	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J-20012/1/2006-IA. II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.	Complied	<ul style="list-style-type: none"> • There is no waste water generation from the Limestone mining operation. • However, water is used for washing of HEMM contains silt and traces of oil & grease which is passed through up-flow filter to separate out the oil & grease and clear water is reused for dust suppression. • Quality of water is being analyzed by NABL accredited Lab. • Mine Key parameter data has been uploaded at www.jkcement.com/environmental-compliance as per notification as well as displayed at mine office.
6	Water Quality Monitoring And Preservation	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEF&CC annually.	Complied	To augment the water resources, rain water harvesting is done and stored in lower most benches of mine pit.
7	Water Quality Monitoring And Preservation	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.	Complied	<ul style="list-style-type: none"> • There is no industrial waste water is generated from the Mine operation. • However, waste water generated from workshop, quality is being tested by NABL lab and analysis report for the period Apr-22 to Sept-22 is enclosed as <u>Annexure-5</u>.

8	Water Quality Monitoring And Preservation	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.	Complied	Annual Water Audit conducted by the NPC and measures has been taken to reduce the water consumption as per the recommendations. Annual water audit report for the FY 2021-22 was submitted along with EC compliance report on 25/05/2022.
IV Noise And Vibration Monitoring And Prevention				
1	Noise And Vibration Monitoring And Prevention	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.	Complied	<ul style="list-style-type: none"> Blasting operation is being carried out in day time only. Use of Sequential blasting machine (SBM), Delay detonator, Non-Electric detonator for blasting and to mitigate vibration. Water injection system on DTH drill has been provided which suppresses dust at its source of generation. Nearest habitation villages Maliakhera and Pipliya-Gadia are at 350m distance. Maximum peak partial velocity was observed 3.828 mm/sec at 300 m distance for the period Apr-22 to Sept-22. Detail peak particle velocity/vibration monitoring report is enclosed as <u>Annexure-6</u>.
2	Noise And Vibration Monitoring And Prevention	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise level at night. PPs must ensure that the biological clock of the villages is not disturbed, by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day/night hours.	Complied	<ul style="list-style-type: none"> Unit is maintaining the illumination and noise level well within permissible limits during day and night hours. Detail ambient noise level monitoring report for the period Apr-22 to Sept-22 are enclosed as <u>Annexure-7</u>.
3	Noise And Vibration Monitoring And Prevention	The project proponent shall take measures for control of noise levels below 85dBA in the work environment. The workers engaged in operations of HEMM etc. should be provided with ear plugs / muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training awareness and information on safety and health aspects. The	Complied	<ul style="list-style-type: none"> Regular maintenance (including cabin) of HEMM are being done to keep noise level well within the specified limits. Workers engaged in operation of HEMM etc. are provided ear plugs. Onsite tool box talk is being conducted on daily basis and imparted the periodical training for all employee & workmen.

		PP shall be held responsible in case it has been found that workers/personals/laborers are working without personal protective equipment.												
V	Mining Plan													
1	Mining Plan	The project proponent shall adhere to the working of mining plan, which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e.: Quantum of mineral waste, over burden, inter burden and top soil. No change in basic mining proposal like mining technology. total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B. & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the ministry of Environment, forest and climate change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form to short term permit (STP), query license or any other name.	Complied	<ul style="list-style-type: none"> Method of mining is fully mechanized opencast mine using wet drilling and control blasting. All mining activities are being carried out as per approved mining plan. Detail of total excavation during the period: April-2022 to September-2022 is given below: <table border="1"> <thead> <tr> <th>S N</th><th>Limestone</th><th>IB/Screen reject/Waste</th><th>Sub Grade (Mineral Reject)</th><th>Top Soil</th></tr> </thead> <tbody> <tr> <td>1.</td><td>2319901.65</td><td>20446</td><td>179160</td><td>14735</td></tr> </tbody> </table>	S N	Limestone	IB/Screen reject/Waste	Sub Grade (Mineral Reject)	Top Soil	1.	2319901.65	20446	179160	14735
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2	Mining Plan	The project proponent shall get the final mine closure plan along with financial assurance approved from Indian bureau of mines/ department of mining & geology as required under the provision of the MMDR Act,1957 and rules/ guidelines made there under. A copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned regional office of the ministry of environment, Forest and climate change for the record and verification.	Yet to be Complied	Unit will be submitted the final mine closure plan within due course of time.										

3	Mining Plan	The land use of the mine area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved mining plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEF&CC and its concerned Regional office.	Complied	There is no back filling proposed in the approved mining plan.								
VI	Land Reclamation											
1	Land Reclamation	The overburden (O.B.) generated during the mining operations shall be at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB dumps like height, width and angle of slope shall be governed as per the approved mining plan as per the guidelines/circulars issued by D.G.M.S. w.r.t. Safety in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps. The top soil shall be used for land reclamation and plantation.	Complied	Top soil generation quantity from mining operation in the FY: 2022-23 (till Sept-2022) is 14735 MT. It is being used for plantation purpose.								
2	Land Reclamation	The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width, and angle of slope shall be governed as per the approved mining plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.	Complied	<p>No inter-burden waste is generated.</p> <p>The quantity of sub grade mineral generated in FY 2021-22 was 317649.019 MT and is stacked within ML area at earmarked site. The total area occupied by stacking of sub grade material is 7.328 ha.</p> <p>Dimension of Sub grade mineral stacked in meters:</p> <table><tr><td>No. of Dump</td><td>Length</td><td>Width</td><td>Height</td></tr><tr><td>1</td><td>386</td><td>250</td><td>13</td></tr></table>	No. of Dump	Length	Width	Height	1	386	250	13
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3	Land Reclamation	The reclamation of waste dump sites shall be done in scientific manner as per the approved mining plan cum progressive mine closure plan.	Complied	Agreed, reclamation of waste dump will be done as per the approved mining plan cum progressive mine closure plan.																										
4	Land Reclamation	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ levelling of dump mass. In critical areas use of geo textiles/geo-membranes/clay liners/Bentonite etc. shall be undertaken for stabilization of the dump.	Complied	<ul style="list-style-type: none">Garland drains with siltation pond has been provided all around the dump.Sub grade limestone is being stacked in the non-mineralized area for future use, if any technological up gradation takes place.																										
5	Land Reclamation	The project proponent shall carry out slope stability in case the dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MOEF&CC.	Complied	Agreed and will be done, if dump height goes beyond the 30m. Presently, dump height is less than 10 m for sub-grade mineral.																										
6	Land Reclamation	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/ Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallahs/River/Pond etc.) The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. the drains/sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.	Complied	<p>To collect run off water from subgrade dump, garland drain and siltation pit has been constructed.</p> <p>Details are given below:</p> <table><tr><th>Catch drain / Garland drain</th><th>Dimensions</th></tr><tr><td>West side of mine pit</td><td>Length -- 1446 m, Width – 1.5 m Depth -- 1.0 m</td></tr><tr><td>Around Subgrade dump</td><td>Length – 677 m Width – 1.0 m Depth -- 1.0 m</td></tr></table> <p>Constructed three siltation pit with dimension as given below: -</p> <table><tr><th>S. N.</th><th>Length (M)</th><th>Width (M)</th><th>Depth (M)</th><th>Capacity (M3)</th></tr><tr><td>1</td><td>15</td><td>14</td><td>2.45</td><td>514.5</td></tr><tr><td>2.</td><td>20</td><td>17</td><td>2.2</td><td>748</td></tr><tr><td>3.</td><td>17.40</td><td>15.5</td><td>1.30</td><td>350.61</td></tr></table>	Catch drain / Garland drain	Dimensions	West side of mine pit	Length -- 1446 m, Width – 1.5 m Depth -- 1.0 m	Around Subgrade dump	Length – 677 m Width – 1.0 m Depth -- 1.0 m	S. N.	Length (M)	Width (M)	Depth (M)	Capacity (M3)	1	15	14	2.45	514.5	2.	20	17	2.2	748	3.	17.40	15.5	1.30	350.61
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7	Land Reclamation	Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years' data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/silt material. The sedimentation pits/sumps shall be constructed at the corners of the garland drains.	Complied	<p>Total rainfall in single day (considering 50 mm maximum rainfall): -</p> <p>1. Total rain water would be available= Subgrade dump (area) X rainfall (m) X Runoff coefficient (20%) - 67100 m² X 0.05 m X 0.20 = 671 m³ and considering 50% safety margin then total capacity of siltation pond should be 1342 m³.</p> <p>2. Soil stack (area) X rainfall (m) X Runoff coefficient (20%) - 8590 m² X 0.05 m X 0.20 = 85.9 m³ and considering 50% safety margin then total capacity of siltation pond should be 171.8 m³.</p> <p>3. Total rain water collection capacity of siltation pit requires = 1342 m³ + 171.8 m³ = 1513.8 m³.</p> <p>4. The storm water is being collected to garland drain from the periphery of the pit area and waste dump area routed to siltation pond. The collected water is being used for plantation and water sprinkling on haul road.</p> <p>5. Dimensions of the rainwater siltation pits developed in mines area for sedimentation purpose as given below: -</p> <table><tr><td>S. N.</td><td>Length (M)</td><td>Width (M)</td><td>Depth (M)</td><td>Capacity M3)</td></tr><tr><td>1</td><td>15</td><td>14</td><td>2.45</td><td>514.5</td></tr><tr><td>2.</td><td>20</td><td>17</td><td>2.2</td><td>748</td></tr><tr><td>3.</td><td>17.40</td><td>15.5</td><td>1.30</td><td>350.61</td></tr><tr><td colspan="4">Total</td><td>1613.11</td></tr></table>	S. N.	Length (M)	Width (M)	Depth (M)	Capacity M3)	1	15	14	2.45	514.5	2.	20	17	2.2	748	3.	17.40	15.5	1.30	350.61	Total				1613.11
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8	Land Reclamation	The top soil, if any, shall temporarily be stored at earmarked sites(s) within the mine lease only and should not be kept unutilized for long. The physical parameters of the top soil dumps like height, width and angle of slope shall be governed as per the approved mining plan and as per the guidelines framed by D.G.M.S w.r.t. safety in mining operations shall be strictly adhered the stability of dumps. The top soil shall be used for land reclamation and plantation purpose.	Complied	Top soil generated during mining operation in FY: 2022-23 (till September-22) is 14735 MT and it's stored at earmarked sites within the mine lease only and same is being used for plantation purpose.																									
VII	Transportation																												

1	Transportation	<p>No transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/rural roads shall be allowed in consultation with nodal state govt. department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.</p>	Complied	<ul style="list-style-type: none"> • Blast limestone from mine pit head to existing crusher is being transported through heavy vehicle, where haul road with proper water spray facility has been provided. There is no village road used for the same. • From Crusher to own cement plant, crushed limestone transported through OLBC belt conveyor. • PUC has been obtained for all company vehicles from authorized pollution testing centers and allowed PUC certified vehicles only to control the vehicular emissions, regularly monitored. Report enclosed in <u>Annexure- 8.</u>
2	Transportation	<p>The main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points. material yards etc. should invariably be provide with dust suppression arrangements. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at crusher, belt – conveyors and other areas prone to air</p>	Complied	<ul style="list-style-type: none"> • Unit has deployed two nos. of mobile water tankers of 18 KL & 10 KL capacity, respectively for regular water sprinkling on the haul roads to prevent dust generation during transportation of limestone through dumpers. • Water tanker has also been equipped with high pressure jet system to wet the blasted muck for suppression the fugitive dust emission during loading activity. • Unit has implemented the permanent water sprinklers on ramp of crusher.

		pollution the belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.																						
VIII	Green Belt																							
1	Green Belt	The project proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.	Complied	<p>Details of plantation are: -</p> <table border="1"> <thead> <tr> <th>Location of plantation</th><th>Total Area</th><th>Total Plantation Up to March 2022</th><th>Total Plantation in nos. FY-2022-23 upto Sept</th><th>Remark</th></tr> </thead> <tbody> <tr> <td>Periphery area (Safety Zone)</td><td>6.128 ha</td><td>3.05 ha covered with 7624 nos</td><td>-</td><td>Remaining Periphery plantation area 3.078 ha will be done in remaining period of FY 2022-23</td></tr> <tr> <td>Non mineral area/ Village Road/ Avenue Plantation</td><td></td><td>35.705 ha covered with 73271 nos (within & outside lease)</td><td>1.33 ha covered with 10014 saplings (within & outside lease) including gap filling</td><td>Plantation is done in F.Y. 22-23 including gap filling.</td></tr> <tr> <td>Total Area</td><td></td><td>38.775 ha (80895 sapling)</td><td>1.33 ha (10014 saplings)</td><td></td></tr> </tbody> </table>	Location of plantation	Total Area	Total Plantation Up to March 2022	Total Plantation in nos. FY-2022-23 upto Sept	Remark	Periphery area (Safety Zone)	6.128 ha	3.05 ha covered with 7624 nos	-	Remaining Periphery plantation area 3.078 ha will be done in remaining period of FY 2022-23	Non mineral area/ Village Road/ Avenue Plantation		35.705 ha covered with 73271 nos (within & outside lease)	1.33 ha covered with 10014 saplings (within & outside lease) including gap filling	Plantation is done in F.Y. 22-23 including gap filling.	Total Area		38.775 ha (80895 sapling)	1.33 ha (10014 saplings)	
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2	Green Belt	The project proponent shall carryout plantation / afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the state forest department/ Agriculture Department/ Rural development/ Tribal Welfare Department/ gram panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per hectare adequate budgetary provision shall be made for protection and care of trees.	Complied	There is no proposal of backfilling as per approved mining plan.																				

3	Green Belt	The project proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease area. The development of such grazing land shall be done in consultation with the state government, in this regard Project proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The Sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded / protected against felling and plantation of such trees should be promoted.	Complied	<ul style="list-style-type: none"> The mining lease was executed on 13.12.1984. At the time of renewal of Mine lease, the Department of Mines and Geology corrected the error of Mining lease area by reducing from 320 Ha to 315.409 Ha. through digital demarcation having 77 Ha. Grazing land. The orders of Hon'ble Supreme Court 2006, is not applicable as the lease was allocated prior to 2006. Permission for working on grazing land has been granted by District Authorities vide District Collectors letter No. Rajasva/ Khanan/NOC/12-12(41)03/1799 dated 12.10.2006, Rajasva/Khanan/NOC/12-12(40)03/1800 dated 12.10.2006 and vide letter No.: Prakaran No./Re.Vi./4/88 dated 10.05.1989.
4	Green Belt	The project proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and schedule - I species during mining operation. A wildlife conservation plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The plan shall be approved by Chief Wild Life Warden of the State Govt.	Complied	<p>Combined WLCP has been prepared for 5 Nos. of captive Limestone Mines and 2 Nos. of Integrated Cement Plant of J K Cement Ltd are situated within 10 Km radius in Tehsil Nimbahera, Chittorgarh District. Wildlife Conservation Plan (WCP) has been prepared for 6 Schedule-I Species found in the buffer area during the survey i.e.: -</p> <ol style="list-style-type: none"> Pavocristatus (Indian Peafowl), Pantherapadusfusca (Indian Leopard), Prionailurusrubiginosus (Rusty-Spotted Cat), Canis lupus pallipes (Indian Wolf), Varanusbengalensis (Indian Monitor Lizard) Gyps indicus/Gyps bengalensis (Indian Vulture) <p>Wild life conservation plan has been forwarded by the DFO - Chittorgarh to Divisional Chief Conservator of Forest vide letter No.: F(5) Survey/UVS/2021-22/4089 dated 13.07.2021 and accordingly 20% amount of Rs. 57.07 Lakh deposited to DFO - Chittorgarh against the total amount of WCP of Rs. 285.30/- Cr in July-2021.</p>
5	Green Belt	And implemented in consultation with the state Forest and Wildlife Department. A copy of wildlife conservation Plan and its implementation status (annual) shall be submitted to the Regional Office of the Ministry.	Complied	Wildlife conservation plan prepared in the consultation of DFO and implementation will also be done according to approved wildlife conservation plan. Annual status will be submitted after final approval of WCP.

IX	Public Hearing And Human Health Issues													
1	Public Hearing And Human Health Issues	The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained properly. PP shall also carryout Occupational health check-ups in respect of workers which are having ailments like BP, diabetes, habitual smoking, etc. The check-ups shall be undertaken once in six months and necessary remedial/ preventive measures be taken. A status report on the same may be sent to MoEF&CC Regional Office and DGMS on half-yearly basis.	Complied	<ul style="list-style-type: none">Periodical medical examination of workmen is being carried out.Detail of medical examination carried out for the period: Apr-22 to Sept-22 is given below and report is enclosed as <u>Annexure-9.</u> <table><tr><th>Particular</th><th>Medical Exam. Carried out (in Nos.)</th></tr><tr><td>No. of persons examined</td><td>18</td></tr><tr><td>Initial Medical Examination</td><td>15</td></tr><tr><td>Periodical Medical Examination</td><td>3</td></tr><tr><td>Disease observed</td><td>NIL</td></tr></table>	Particular	Medical Exam. Carried out (in Nos.)	No. of persons examined	18	Initial Medical Examination	15	Periodical Medical Examination	3	Disease observed	NIL
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Periodical Medical Examination	3													
Disease observed	NIL													
2	Public Hearing And Human Health Issues	The Project Proponent must demonstrate commitment to work towards 'Zero Harm' from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the I-IRA. The I-IRA for neighborhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anaemia, Diarrhoea in children under five, respiratory infections due to bio mass cooking. The proponent shall also create awareness and educate the nearby community and workers for Sanitation, Personal Hygiene, Hand washing, not to defecate in open, Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carryout base line I-IRA for all the category of workers and thereafter every five years.	Complied	<ul style="list-style-type: none">Company has “Zero Harm Goal Policy” and periodically identified the hazards and preventive action are being taken.Best practices have been implemented to maintain vibration, fly rocks, dust emission, noise level and all parameters are well within the limit.Mobile medical check-up camps are being organized at all nearby villages for treatment and medicine free of cost.										

3	Public Hearing And Human Health Issues	<p>The Proponent shall carry out Occupational health surveillance which be a part of HRA and include Biological Monitoring where practical and feasible, and the tests and investigations relevant to the exposure (e.g. for Dust a X-Ray chest; For Noise Audiometric; for Lead Exposure Blood Lead, For Welders Full Ophthalmologic Assessment; for Manganese Miners a complete Neurological Assessment by a Certified Neurologist, and Manganese (Mn) Estimation in Blood; For Inorganic Chromium- Fortnightly skin inspection of hands and forearms by a responsible person. Except routine tests all tests would be carried out in a Lab accredited by NABH. Records of Health Surveillance must be kept for 30 years, including the results of and the records of Physical examination and tests. The record of exposure due to materials like Asbestos, Hard Rock Mining, Silica, Gold, Kaolin, Aluminium, Iron, Manganese, Chromium, Lead, Uranium need to be handed over to the Mining Department of the State in case the life of the mine is less than 30 years. It would be obligatory for the State Mines Departments to make arrangements for the safe and secure storage of the records including X-Ray. Only conventional X-Ray will be accepted for record purposes and not the digital one) must meet ILO criteria (17 x14 inches and of good quality).</p>	Complied	Pre-employment medical check-up are being carried out considering the parameter as per DGMS.
4	Public Hearing And Human Health Issues	<p>The Proponent shall maintained a record of performance indicators for workers which includes (a) there should not be a significant decline in their Body Mass Index and it should stay between 18.5 -24.9, (b) the Final Chest X-Ray compared with the base line X-Ray should not show any capacities ,(c) At the end of their leaving job there should be no Diminution in their Lung Functions Forced Expiratory Volume</p>	Complied	Unit is maintaining record of performance indicators for workers. There is no any abnormality has been reported till date, therefore no any relief and compensation required to paid to the workers.

		in one second (FEV1) , forced vital capacity (FVC) and the ratio unless they are smokers which has to be adjusted and the effect of age , (d) their hearing should not be affected . as a proof an Audiogram (first and last need to be presented), (e) they should not have developed any persistent back pain, neck pain and the movement of their Hip, Knee and other joints should have normal range of movement, (f) they should not have suffered loss of any body part. The record of the same should be submitted to the regional office. MoEF&CC annually along with details of the relief and compensation paid to workers having above indications.		
5	Public Hearing And Human Health Issues	The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.	Complied	PPE's have been provided and used by the persons engaged in drilling, dozing and loading. VT is being provided as under required VT Rules.
6	Public Hearing And Human Health Issues	Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.	Complied	<ul style="list-style-type: none"> • All workers engaged are belongs to local area and they are living in their own houses, therefore temporary structure/ hutment are not required. • Employees are residing in colony situated at Nimbahera Cement Plant, where all basic facilities are available. • There is no temporary structure/hutment has been constructed.
7	Public Hearing And Human Health Issues	The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing shall be completed as per the budgetary provisions mentioned in the Action	Complied	Details of PH issue addressed are given in above in point no. 9.

		Plan and within the stipulated time frame. The Status Report on implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.		
X	Corporate Environment Responsibility (CER)			
1	Corporate Environment Responsibility	The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O. M. No. 22-65/2017-IA. II (M) dated 01.05.2018 or as proposed by EAC should be kept in a separate bank account. The activities proposed for CER shall be implemented in a time bound manner and annual report of implementation of the same along with documentary proof viz. photographs, purchase documents, latitude & longitude of infrastructure developed & road constructed needs to be submitted to Regional Office MoEF&CC annually along with audited statement.	Complied	Activities proposed for CER are being implemented in a time bound manner and annual report of implementation of the same along with documentary proof has been submitted to Regional Office MoEF&CC for the FY: 2021-22 along with last EC compliance report.
2	Corporate Environment Responsibility	Project Proponent shall keep the funds earmarked for environmental protection measures in a separate account and refrain from diverting the same for other purposes. The Year wise expenditure of such funds should be reported to the MoEF&CC and its concerned Regional Office.	Complied	<ul style="list-style-type: none"> Expenditures made towards environment protection measures taken during the FY 2021-22 is Rs. 844573/-. Detail expenditure occurred in the FY: 2022-23 will be submitted along with next six monthly EC compliance report.
XI	Miscellaneous			
1	Miscellaneous	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.	Complied	Last digital map for land use cover report has been submitted on 02.03.2020 and for next period it will be submitted before 01.03.2025.
2	Miscellaneous	The Project Authorities should inform to the Regional Office regarding date of financial	Complied	This is the existing captive limestone mine and Project cost after expansion is 87.70 Crores.

		closures and final approval of the project by the concerned authorities and the date of start of land development work.		
3	Miscellaneous	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEF&CC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.	Complied	Latest six monthly compliance reports on the status of the implementation of the stipulated environmental conditions has been submitted to the MoEF&CC, CPCB and RSPCB vide our letter No.: NBH/PC-14/C12 dated 25/05/2022.
4	Miscellaneous	A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF&CC.	Complied	A separate environmental management cell with qualified personnel is already established and has sufficient monitoring equipment's in environmental laboratory.
5	Miscellaneous	The concerned Regional Office of the MoEF&CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports.	Complied	Agreed, unit will extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports.
24	Miscellaneous	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Complied	Noted & agreed.
25	Miscellaneous	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attracts action under the provisions of Environment (Protection) Act, 1986.	Complied	Noted & agreed.

26	Miscellaneous	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/High Court of Chhattisgarh and any other Court of Law relating to the subject matter.	Complied	Noted & agreed.
27	Miscellaneous	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Complied	Noted & agreed.
28	Miscellaneous	This issues with the approval of competent Authority.	Complied	Noted

Yours Sincerely,
For J. K. Cement Works, Nimbahera
(Maliakhara Limestone Mines)



(Authorized Signatory)



FORM - X
RAJASTHAN STATE POLLUTION CONTROL BOARD
REPORT OF THE STATE BOARD ANALYST
(See Rule - 10)
Final Report

Report No. : **2085**

Report On : **23/06/2022**

I hereby certify that I Dr Giriraj Kumar Songara, State Board Analyst duly appointed under sub Section(2) of Section 29 of the Air (Prevention & Control of Pollution) Act, 1981 received on the 16/06/2022 from Mansingh, JSO, Chittorgarh ,RSPCB Chittorgarh a sample of Ambient Air Quality of M/S J.K.Cement Works , Plant - J.K. Cement Works [190] ,Nimbahera, Kailash Nagar , City- Ahirpura Tehsil- Nimbahera , District- Chittorgarh ~~M.L.No- 2/97~~ Collected from ambient air quality monitoring near ravana office (Maliyakheda mines M.L.No. 4/03) Collected on 15/06/2022. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on 23/06/2022 and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	65
2	PM 2.5 $\mu\text{g}/\text{m}^3$	21
3	Sulphur Dioxide as SO2 $\mu\text{g}/\text{m}^3$	5.3
4	NO2 $\mu\text{g}/\text{m}^3$	14.5

The condition of the seals, fastening and container on receipt was as follows : **Intact**

Signed This On **23/06/2022**


BOARD ANALYST

Rajasthan State Pollution Control Board
Regional Office Chittorgarh
Near FCI Godown, Chanderia, Chittorgarh
Phone:01472-255077

FORM - X
RAJASTHAN STATE POLLUTION CONTROL BOARD
REPORT OF THE STATE BOARD ANALYST
(See Rule - 10)
Final Report

Report No. : **2086**

Report On : **23/06/2022**

I hereby certify that I **Dr Giriraj Kumar Songara**, State Board Analyst duly appointed **under sub Section(2) of Section 29 of the Air (Prevention & Control of Pollution) Act, 1981** received on the **16/06/2022** from **Mansingh, JSO, Chittorgarh ,RSPCB Chittorgarh** a sample of **Ambient Air Quality** of **M/S J.K.Cement Works , Plant - J.K. Cement Works [190] ,Nimbahera, Kailash Nagar , City- Ahirpura Tehsil- Nimbahera , District- Chittorgarh ~~M.L.No. 2/97~~** Collected from **ambient air quality monitoring near mines office (Maliyakheda mines M.L.No. 4/03)** Collected on **15/06/2022**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **23/06/2022** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	71
2	PM 2.5 $\mu\text{g}/\text{m}^3$	33
3	Sulphur Dioxide as SO2 $\mu\text{g}/\text{m}^3$	7.8
4	NO2 $\mu\text{g}/\text{m}^3$	18.4

The condition of the seals, fastening and container on receipt was as follows : **Intact**

Signed This On **23/06/2022**


BOARD ANALYST

Rajasthan State Pollution Control Board
Regional Office Chittorgarh
Near FCI Godown, Chanderia, Chittorgarh
Phone:01472-255077



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502522400001508	Date :	20-06-2022
Issued To :	M/S Maliakhera Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	07-06-2022
Point of Collection :	Maliakhera Village	Date of Receipt :	10-06-2022
Date of Test/Analysis :	10-06-2022 to 20-06-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Rakesh Sharma
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m3]	BDL (<10.0)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	270	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.12	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	10.77	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL (<20.0)	APHA 1977, Part 819	100.00
6	Particulate Matter (PM2.5) [microgram/m3]	34.34	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	4.68	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	72.46	IS 5182 (Part 23)-2006 RA 2017	100.00
9	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
10	Nickel [ng/m3]	6.7	IS 5182 : Part 26 : 2020	20.00

Notes :-

- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Puran Mal Yogi

Rajesh Maheshwari



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400001508	Date :	20-06-2022
Issued To :	M/S Maliakhera Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	07-06-2022
Point of Collection :	Maliakhera Village	Date of Receipt :	10-06-2022
Date of Test/Analysis :	10-06-2022 to 20-06-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Rakesh Sharma
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m3]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

Notes :-

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Purnan Mal Yogi
Senior Analyst

Rajesh Maheshwar
Authorized Signatory
(Report No: 400001508)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502522400001507	Date :	20-06-2022
Issued To :	M/S Maliakhera Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	07-06-2022
Point of Collection :	Pipaliya Gadia Village	Date of Receipt :	10-06-2022
Date of Test/Analysis :	10-06-2022 to 20-06-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Rakesh Sharma
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m3]	BDL (<10.0)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	290	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.08	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	16.12	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL (<20.0)	APHA 1977, Part 819	100.00
6	Particulate Matter (PM2.5) [microgram/m3]	25.11	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	4.7	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	67	IS 5182 (Part 23)-2006 RA 2017	100.00
9	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
10	Nickel [ng/m3]	7	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Puran
Puran Mai yogi

Rajesh
Rajesh Maheshwan



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400001507	Date :	20-06-2022
Issued To :	M/S Maliakhera Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	07-06-2022
Point of Collection :	Pipaliya Gadia Village	Date of Receipt :	10-06-2022
Date of Test/Analysis :	10-06-2022 to 20-06-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Rakesh Sharma
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m3]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

Notes :-

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Purnan Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: 400001507)



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TEST REPORT

Report No./ULR No. :	TC502522400002325	Date :	24-08-2022
Issued To :	M/S Maliakhera Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	04-08-2022
Point of Collection :	Near Mine office, Maliakhera Mine	Date of Receipt :	09-08-2022
Date of Test/Analysis :	09-08-2022 to 23-08-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	190	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	12.25	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	15.8	IS 5182 (Part 24) : 2019	60.00
4	Sulphur Dioxide [microgram/m3]	3.41	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	31.4	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Senior Analyst
Purnan Mal Yogi

K.N. MISHRA
Authorized Signatory
(Report No: TC502522400002325)



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502522400002326	Date :	24-08-2022
Issued To :	M/S Maliakhera Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	05-08-2022
Point of Collection :	Near Ravana Office, Maliakhera Mine	Date of Receipt :	09-08-2022
Date of Test/Analysis :	09-08-2022 to 23-08-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	230	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	12.38	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	19.75	IS 5182 (Part 24) : 2019	60.00
4	Sulphur Dioxide [microgram/m3]	4.14	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	41.85	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Senior Analyst

Pran Mal Yogi

K.N. MISHRA

Authorized Signatory

(Report No: TC502522400002326)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502522400002329	Date :	24-08-2022
Issued To :	M/S Maliakhera Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	04-08-2022
Point of Collection :	Pipaliya Gadia Village	Date of Receipt :	09-08-2022
Date of Test/Analysis :	09-08-2022 to 23-08-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	130	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	9.25	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	15.94	IS 5182 (Part 24) : 2019	60.00
4	Sulphur Dioxide [microgram/m3]	3.97	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	40.52	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Puran Mal Yogi
Senior Analyst

K.N. MUKHOPADHYAY
Authorized Signatory
(Report No: TC502522400002329)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502522400002330	Date :	24-08-2022
Issued To :	M/S Maliakhara Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	05-08-2022
Point of Collection :	Maliakhara Village	Date of Receipt :	09-08-2022
Date of Test/Analysis :	09-08-2022 to 23-08-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	140	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	9.53	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Particulate Matter (PM2.5) [microgram/m3]	17.51	IS 5182 (Part 24) : 2019	60.00
4	Sulphur Dioxide [microgram/m3]	2.38	IS 5182 (Part 2) : 2001 RA 2017	80.00
5	Particulate Matter (PM 10) [microgram/m3]	31.2	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Senior Analyst

Puran Mal Yogi

K.N. MUKHOPADHYAY

Authorized Signatory

(Report No: TC502522400002330)

J.K. Cement Works, Nimbahera (RAJ)
MALIAKHERA LIMESTONE MINE
MONTHLY AVERAGE AMBIENT AIR QUALITY REPORT
April'2022 to September'2022

AMBIENT AIR QUALITY RESULTS : (ALL VALUES IN µg/M3)

Month	Near Mine Office					Near Ravana Office				
	PM10	PM2.5	SO ₂	Nox	CO	PM10	PM2.5	SO ₂	Nox	CO
Apr-22	57.4	31.6	11.4	22.4	613	66.3	42.1	15.0	26.3	676
May-22	61.7	33.3	14.2	26.3	653	69.3	46.6	17.1	31.1	687
Jun-22	65.0	46.1	15.7	24.2	739	78.0	40.1	15.4	26.1	659
Jul-22	53.0	41.7	16.2	30.1	756	61.2	47.5	21.2	36.7	789
Aug-22	40.2	31.4	13.5	21.4	670	46.0	34.5	18.1	24.4	710
Sep-22	38.1	29.6	10.7	19.7	636	43.4	31.2	16.0	21.8	664
AVERAGE	52.6	35.6	13.6	24.0	677.7	60.7	40.3	17.1	27.7	697.5

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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502522400001506	Date :	20-06-2022
Issued To :	M/S Maliakhara Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Fugitive Emission Quality Monitoring	Date of Sample Collection/Monitoring :	06-06-2022
Point of Collection :	Near Loading point of Maliakhara Mine	Date of Receipt :	10-06-2022
Date of Test/Analysis :	10-06-2022 to 20-06-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Rakesh Sharma
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Suspended Particulate Matter [microgram/m3]	452.8	IS 5182 (Part 4) : 1999 RA 2019
2	Sulphur Dioxide [microgram/m3]	4.98	IS 5182 (Part 2) : 2001 RA 2017
3	Oxides of Nitrogen [microgram/m3]	12.47	IS 5182 (Part 6) : 2006 Reaffirmed 2017
4	Carbon Monoxide [microgram/m3]	270	TTH/AAQM/08

Notes :-

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Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: TC502522400001506)



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TEST REPORT

Report No./ULR No. :	TC502522400001505	Date :	20-06-2022
Issued To :	M/S Maliakhara Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Fugitive Emission Quality Monitoring	Date of Sample Collection/Monitoring :	06-06-2022
Point of Collection :	3-10 Meter Distance Form Drilling Point of Maliakhara Mine	Date of Receipt :	10-06-2022
Date of Test/Analysis :	10-06-2022 to 20-06-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Rakesh Sharma
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Suspended Particulate Matter [microgram/m3]	412.49	IS 5182 (Part 4) : 1999 RA 2019
2	Sulphur Dioxide [microgram/m3]	3.9	IS 5182 (Part 2) : 2001 RA 2017
3	Oxides of Nitrogen [microgram/m3]	13.77	IS 5182 (Part 6) : 2006 Reaffirmed 2017
4	Carbon Monoxide [microgram/m3]	280	TTH/AAQM/08

Notes :-

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Purnan Mal Yogi
Senior Analyst

Rakesh Maheshwan
Authorized Signatory
(Report No: TC502522400001505)



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TEST REPORT

Report No./ULR No. :	TC502522400002327	Date :	24-08-2022
Issued To :	M/S Maliakhera Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Fugitive Emission Quality Monitoring	Date of Sample Collection/Monitoring :	04-08-2022
Point of Collection :	3-10 Meter Distance Form Drilling Point of Maliakhera Mine	Date of Receipt :	09-08-2022
Date of Test/Analysis :	09-08-2022 to 23-08-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Suspended Particulate Matter [microgram/m3]	246.39	IS 5182 (Part 4) : 1999 RA 2019
2	Sulphur Dioxide [microgram/m3]	3.31	IS 5182 (Part 2) : 2001 RA 2017
3	Oxides of Nitrogen [microgram/m3]	13	IS 5182 (Part 6) : 2006 Reaffirmed 2017
4	Carbon Monoxide [microgram/m3]	270	TTH/AAQM/08

Notes :-

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Puran Mal Yogi
Senior Analyst

K.N. MURALIDHARAN

Authorized Signatory
(Report No: TC502522400002327)



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TEST REPORT

Report No./ULR No. :	TC502522400002328	Date :	24-08-2022
Issued To :	M/S Maliakhera Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Fugitive Emission Quality Monitoring	Date of Sample Collection/Monitoring :	05-08-2022
Point of Collection :	Near Loading point of Maliakhera Mine	Date of Receipt :	09-08-2022
Date of Test/Analysis :	09-08-2022 to 23-08-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Suspended Particulate Matter [microgram/m3]	185.13	IS 5182 (Part 4) : 1999 RA 2019
2	Sulphur Dioxide [microgram/m3]	4.21	IS 5182 (Part 2) : 2001 RA 2017
3	Oxides of Nitrogen [microgram/m3]	9.35	IS 5182 (Part 6) : 2006 Reaffirmed 2017
4	Carbon Monoxide [microgram/m3]	250	TTH/AAQM/08

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Puran Mal Yogi
Senior Analyst

K.N. MUKHOPADHYAY

Authorized Signatory
(Report No: TC502522400002328)

J.K. Cement WORKS, NIMBAHERA (RAJ)
MALIAKHERA LIMESTONE MINE
MONTHLY AVERAGE OF FUGITIVE DUST MONITORING REPORT
April'2022 to September'2022

(ALL VALUES IN µg/M3)

Month	3 to10 Meter Distance From Drilling Operation				Near loading point			
	SPM	SO ₂	NO _x	CO	SPM	SO ₂	NO _x	CO
Apr-22	356	21.2	32.0	733	309	17.1	26.2	698
May-22	371	24.0	36.0	779	326	19.2	31.2	733
Jun-22	454	16.4	27.2	727	377	16.0	24.4	699
Jul-22	454.37	19.7	31.3	743	373.31	21.0	34.8	842
Aug-22	319	13.6	24.6	664	296	10.7	17.4	624
Sep-22	302	9.2	21.8	630	278	6.3	14.3	587
AVERAGE	376.1	17.3	28.8	712.6	326.6	15.1	24.7	697.0

Annexure-03

M/s J.K.CEMENT WORKS,NIMBAHERA

**Digital Water Level Recorder Report (Ground water Level) of
Maliakhera Limestone Mine. (ML No. 04/2003)**

Month	Telemetry BW_8 (in m)(avg.)	Remarks
Apr-22	26.47	
May-22	34.42	
Jun-22	37.35	
Jul-22	16.39	
Aug-22	2.5	
Sep-22	6.19	

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TEST REPORT

Report No./ULR No. :	TC502522100000721	Date :	06-05-2022
Issued To :	M/S Maliakhera Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	26-04-2022
Point of Collection :	Pit Water (Surface Water)	Date of Receipt :	28-04-2022
Date of Test/Analysis :	28-04-2022 to 06-05-2022	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Prahlad yogi
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	10	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Turbidity [NTU]	1.5	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
4	pH	7.13	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
5	Hardness (total) [mg/l]	349.51	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
6	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
7	Chloride [mg/l]	41.39	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	367	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00

Note:

Continue to next page...

Rajesh Maheshwari



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Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
9	Fluoride [mg/l]	0.61	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
10	Suspended Solids [mg/l]	11	IS 3025 (Part 17) : 1984 RA 2017	-	-
11	Oil and Grease [mg/l]	Less than 1	IS 3025 (Part 39) : 1991 RA 2019	-	-
12	Conductivity [micromho/cm]	586	APHA 2017 : 2510 B	-	-
13	M - Alkalinity [mg/l]	170	IS 3025 (Part 23) : 1986 RA 2019	-	-
14	Calcium [mg/l]	80.78	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
15	Magnesium [mg/l]	35.86	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00

Notes :-

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Balram

Senior Analyst

Raj

Authorized Signatory

Rajesh Mareshwan
(Report No: TC502522100000721)



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TEST REPORT

Report No./ULR No. :	TC502522100000722	Date :	06-05-2022
Issued To :	M/S Maliakhara Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Borewell Water	Date of Sample Collection/Monitoring :	26-04-2022
Point of Collection :	Hand Pump (Mines Office) - (Ground Water)	Date of Receipt :	28-04-2022
Date of Test/Analysis :	28-04-2022 to 06-05-2022	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Prahlad yogi
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
4	pH	7.96	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Hardness (total) [mg/l]	446.6	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
6	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
7	Chloride [mg/l]	61.1	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	406	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00

Note:

Continue to next page...

Rajesh
Rajesh Maheshwan



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Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

RSPCB

ISO 9001:2015,

ISO 14001:2015,

ISO 45001:2018 (OH&S)

JDA/UDH

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Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
9	Fluoride [mg/l]	0.71	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
10	Conductivity [micromho/cm]	643	APHA 2017 : 2510 B	-	-
11	Oil and Grease [mg/l]	Less than 1	IS 3025 (Part 39) : 1991 RA 2019	-	-
12	Total Suspended Solids [mg/l]	6	IS 3025 (Part 17) : 1984 RA 2017	-	-
13	M - Alkalinity [mg/l]	165	IS 3025 (Part 23) : 1986 RA 2019	-	-
14	Calcium [mg/l]	152.23	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
15	Magnesium [mg/l]	16.04	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00

Notes :-

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Belgram
Senior Analyst

Rajesh Maheshwan
Authorized Signatory
(Report No: TC502522100000722)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502522100000723	Date :	06-05-2022
Issued To :	M/S Maliakhara Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Borewell Water	Date of Sample Collection/Monitoring :	26-04-2022
Point of Collection :	Hand Pump – Near School of Pipliya Village – Ground Water	Date of Receipt :	28-04-2022
Date of Test/Analysis :	28-04-2022 to 06-05-2022	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Prahlad yogi
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
4	pH	7.17	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Hardness (total) [mg/l]	442.72	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
6	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
7	Chloride [mg/l]	67.01	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	501	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00

Note:

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
9	Fluoride [mg/l]	0.79	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
10	Conductivity [micromho/cm]	765	APHA 2017 : 2510 B	-	-
11	Oil and Grease [mg/l]	Less than 1	IS 3025 (Part 39) : 1991 RA 2019	-	-
12	Total Suspended Solids [mg/l]	5	IS 3025 (Part 17) : 1984 RA 2017	-	-
13	M - Alkalinity [mg/l]	220	IS 3025 (Part 23) : 1986 RA 2019	-	-
14	Calcium [mg/l]	150.68	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
15	Magnesium [mg/l]	16.04	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00

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Balran
Bakam Agarwal
Senior Analyst

Raj
Rajeshwar
Authorized Signatory
(Report No: TC502522100000723)



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TEST REPORT

Report No./ULR No. :	TC502522100001445	Date :	18-08-2022
Issued To :	M/S Maliakhara Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	05-08-2022
Point of Collection :	Pit Water (Surface Water)	Date of Receipt :	09-08-2022
Date of Test/Analysis :	09-08-2022 to 18-08-2022	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Prahlad yogi
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Turbidity [NTU]	1.2	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
4	pH	7.48	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
5	Hardness (total) [mg/l]	372.55	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
6	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
7	Chloride [mg/l]	45.01	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	405	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	98.04	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	30.97	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00

Signature



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S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
11	Fluoride [mg/l]	0.58	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
12	Suspended Solids [mg/l]	19	IS 3025 (Part 17) : 1984 RA 2017	-	-
13	Oil and Grease [mg/l]	Less than 1	IS 3025 (Part 39) : 1991 RA 2019	-	-
14	Conductivity [micromho/cm]	605	APHA 2017 : 2510 B	-	-
15	M - Alkalinity [mg/l]	190	IS 3025 (Part 23) : 1986 RA 2019	-	-
16	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
17	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-

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Balram
Senior Analyst
Balram Adarwai

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: TC502522100001445)



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TEST REPORT

Report No./ULR No. :	TC502522100001446	Date :	18-08-2022
Issued To :	M/S Maliakhera Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Borewell Water	Date of Sample Collection/Monitoring :	05-08-2022
Point of Collection :	Hand Pump (Mines Office) - (Ground Water)	Date of Receipt :	09-08-2022
Date of Test/Analysis :	09-08-2022 to 18-08-2022	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Prahlad yogi
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
4	pH	7.69	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Hardness (total) [mg/l]	450.98	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
6	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
7	Chloride [mg/l]	66.53	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	478	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	141.18	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	23.82	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00

Rajesh Maheshwari



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
11	Fluoride [mg/l]	0.64	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
12	Conductivity [micromho/cm]	704	APHA 2017 : 2510 B	-	-
13	Oil and Grease [mg/l]	BDL(<0.1)	IS 3025 (Part 39) : 1991 RA 2019	-	-
14	Total Suspended Solids [mg/l]	5	IS 3025 (Part 17) : 1984 RA 2017	-	-
15	M - Alkalinity [mg/l]	180	IS 3025 (Part 23) : 1986 RA 2019	-	-

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Balram

Senior Analyst
Balram Agarwal

Rajeshwar

Authorized Signatory
(Report No: TC502522100001446)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502522100001447	Date :	18-08-2022
Issued To :	M/S Maliakhera Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Borewell Water	Date of Sample Collection/Monitoring :	05-08-2022
Point of Collection :	Hand Pump Near School of Piplia Village (Ground Water)	Date of Receipt :	09-08-2022
Date of Test/Analysis :	09-08-2022 to 18-08-2022	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Prahlad yogi
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
4	pH	7.30	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Hardness (total) [mg/l]	450.98	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
6	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
7	Chloride [mg/l]	76.32	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	529	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	141.18	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	23.82	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00

Rajesh Maheshwari



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Email : marketinglab@teamtesthouse.com

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
11	Fluoride [mg/l]	0.71	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
12	Conductivity [micromho/cm]	736	APHA 2017 : 2510 B	-	-
13	Oil and Grease [mg/l]	BDL(<0.1)	IS 3025 (Part 39) : 1991 RA 2019	-	-
14	Total Suspended Solids [mg/l]	7	IS 3025 (Part 17) : 1984 RA 2017	-	-
15	M - Alkalinity [mg/l]	200	IS 3025 (Part 23) : 1986 RA 2019	-	-

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Senior Analyst
Balram Agarwal

Rajesh
Authorized Signatory
Rajesh Maheshwan
(Report No: TC502522100001447)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502522200001297	Date :	22-06-2022
Issued To :	M/S J.K. Cement Works, Nimbahera Tehsil - Nimbahera, Distt.- Chittorgarh (Rajasthan)	Type of Unit :	Mines
Type of Sample :	Liquid Effluents	Date of Sample Collection/Monitoring :	11-06-2022
Point of Collection :	Maliakhara Mine Workshop Water	Date of Receipt :	14-06-2022
Date of Test/Analysis :	14-06-2022 to 22-06-2022	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 Ltr.	Sample Collected By :	kishan murari
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Total Suspended Solids [mg/l]	33	APHA.2017:2540-D	100
2	Biochemical Oxygen Demand (BOD) [mg/l]	13	APHA 2017:5210-B	30
3	Chloride as Cl [mg/l]	112.11	APHA 2017 : 4500- Cl- B	-
4	Chemical Oxygen Demand (COD) [mg/l]	101.18	APHA:2017 : 5220-C	250
5	pH	7.84	APHA:2017 : 4500 H+B	5.5 - 9.0
6	Sulphate [mg/l]	114.21	APHA:2017 : 4500-SO4-E	-
7	Chromium Total [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	2.0
8	Copper [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	3.0
9	Iron [mg/l]	0.02	APHA :2017 :3111- B	3.0
10	Zinc [mg/l]	0.08	APHA :2017 :3111- B	5.0
11	Oil & Grease [mg/l]	4	APHA 2017 : 5520 B	10
12	Total Residual chlorine [mg/l]	BDL (<0.1)	APHA 2017 : 4500- Cl- B	0.5
13	Phosphate (total) as P [mg/l]	BDL (<0.1)	APHA 2017 : 4500-P C	5

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Sunil Kumar
Senior Analyst

Rajesh Maheshwar
Authorized Signatory
(Report No: TC502522200001297)

Date/Time Vert at 13:58:02 August 6, 2022
 Trigger Source Geo: 0.300 mm/s
 Range Geo: 254.0 mm/s
 Record Time 4.122 sec (Auto=3Sec) at 2048 sps
 Operator/Setup: P K Dawer/Maliakhera Mine MMB

Serial Number UM17400 V 10-89 Micromate ISEE
 Battery Level 3.7 Volts
 Unit Calibration December 5, 2020 by UES New Delhi
 File Name UM17400_20220806135802.IDFW

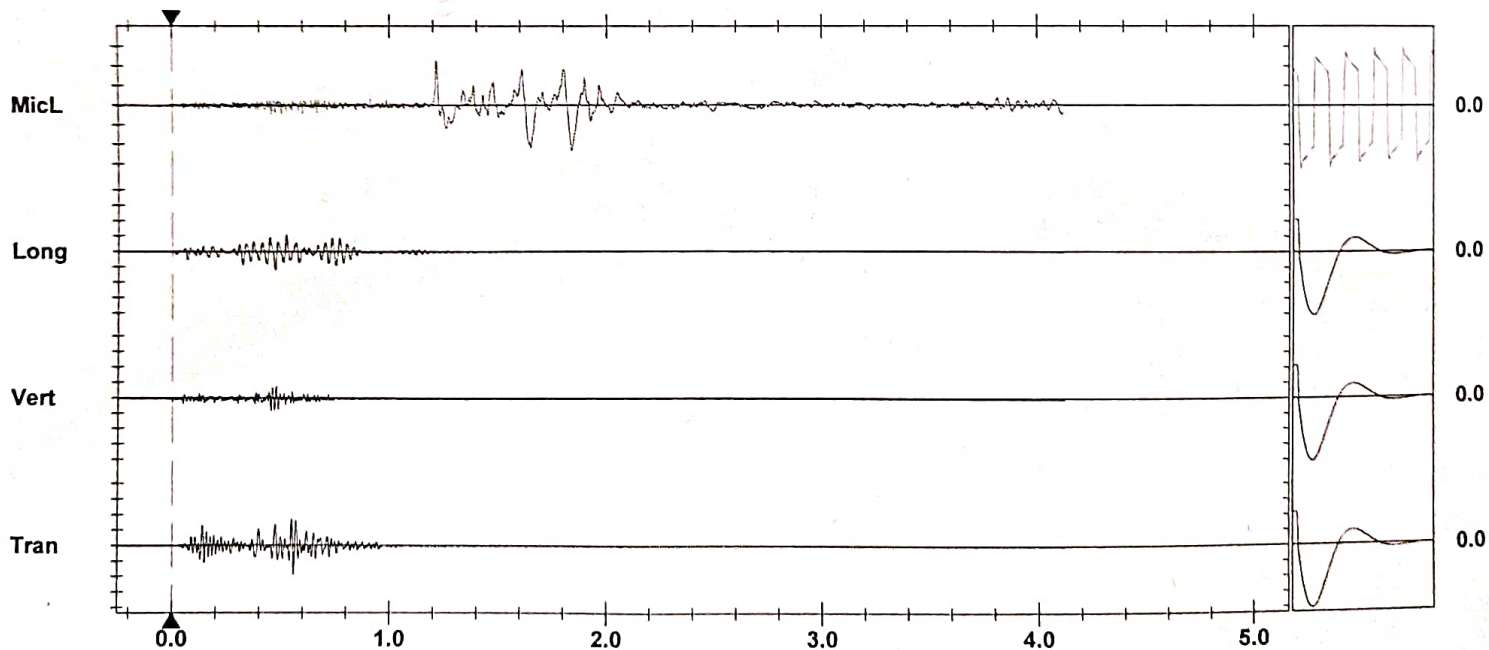
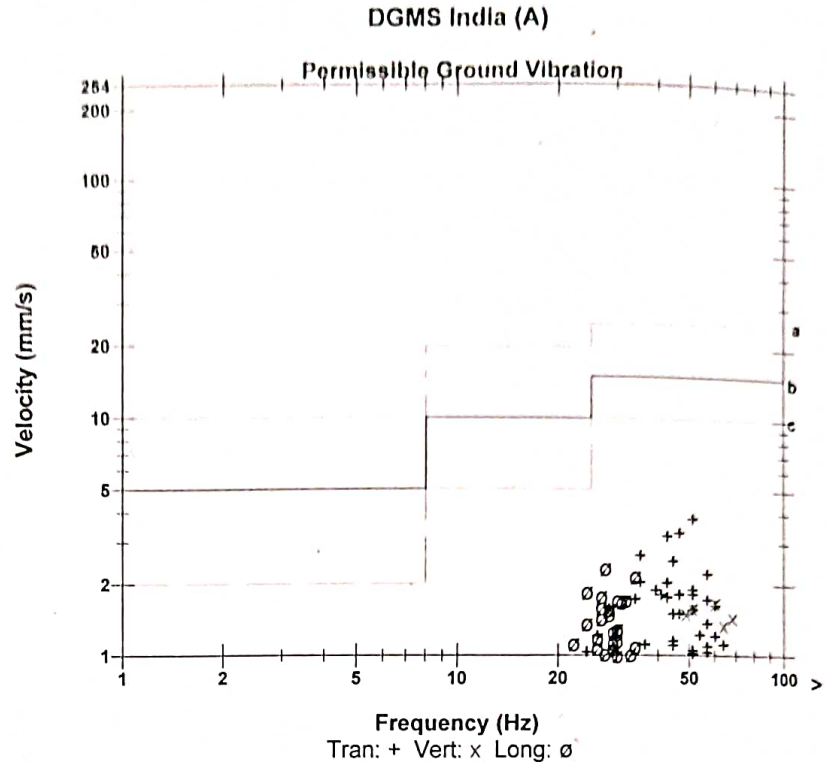
Notes
 Location: Maliakhera Mine
 Client: J K CEMENT WORKS
 User Name: J K CEMENT WORKS
 General:

Post Event Notes
 Bench: III E (E to W), BID: 8-25
 No. of Holes: 28; Charge Per delay: 31.46 Kgs.
 Vibration Monitored at 300 Mtr. MKM Village Road

Microphone Linear Weighting
 PSPL 2.327 pa (L) at 1.839 sec
 ZC Freq 9.5 Hz
 Channel Test Passed (Freq = 19.7 Hz Amp = 1070 mV)

	Tran	Vert	Long	
PPV	3.783	1.671	2.333	mm/s
ZC Freq	51	60	28	Hz
Time (Rel. to Trig)	0.558	0.454	0.476	sec
Peak Acceleration	0.133	0.079	0.053	g
Peak Displacement	0.012	0.016	0.012	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.3	7.3	Hz
Overswing Ratio	4.5	4.6	4.5	

Peak Vector Sum 3.828 mm/s at 0.558 sec



N-1

Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongri, Jaipur (Raj.) - 302 004
Result of Ambient Noise Level Monitoring

ANNEXURE-7

DATE OF RECEIPT : 16/06/2022

MONITORED BY : Mansingh, JSO, Chittorgarh

S.No.	Lab Sample No	Name of Industry / Place	Point of Collection / Location	Date of Monitoring	Noise Level In Day Time(Leq dB(A))	Noise Level In Night Time(Leq dB(A))
1	2091	J.K.Cement Works,AhirpuraAhirpura Tehsil:Nimbahera District:Chittorgarh	ambient noise monitoring near view point (Maliyakheda mines M.L.No. 4-03)	15/06/2022	67.5	ND

**BOARD ANALYST**

Rajasthan State Pollution Control Board

* ND = Not Done

Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongri, Jaipur (Raj.) - 302 004

Result of Ambient Noise Level Monitoring

DATE OF RECEIPT : 16/06/2022

MONITORED BY : Mansingh, JSO, Chittorgarh

S.No.	Lab Sample No	Name of Industry / Place	Point of Collection / Location	Date of Monitoring	Noise Level In Day Time(Leq dB(A))	Noise Level In Night Time(Leq dB(A))
1	2092	J.K.Cement Works,AhirpuraAhirpura Tehsil:Nimbahera District:Chittorgarh	ambient noise monitoring near ravana office (Maliyakheda mines M.L.No. 4-03)	15/06/2022	57.9	ND



BOARD ANALYST

Rajasthan State Pollution Control Board

* ND = Not Done



TEAM TEST HOUSE

(Unit of Team Institute of Science & Technology Pvt. Ltd.)



Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

RSPCB

ISO 9001:2015,

ISO 14001:2015,

ISO 45001:2018 (OH&S)

JDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502522600001535	Date :	24-08-2022
Issued To :	M/S Maliakhera Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	05-08-2022
Point of Collection :	Near Mine office, Maliakhera Mine	Date of Receipt :	09-08-2022
Date of Test/Analysis :	09-08-2022 to 23-08-2022	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	58.7	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	50.2	IS 9989	65

Notes :-

- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Puran Mal Yogi
Senior Analyst

K.N. MUKHOPADHYAY
Authorized Signatory
(Report No: TC502522600001535)



TEAM TEST HOUSE

(Unit of Team Institute of Science & Technology Pvt. Ltd.)



Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

RSPCB	ISO 9001:2015,	ISO 14001:2015,	ISO 45001:2018 (OH&S)	JDA/UDH
Office : E-65, Chitrangan Marg, C-Scheme, Jaipur - 302001, Rajasthan Phone : +91 6377210064, 9414077379, Website : www.teamtesthouse.com Email : team.bdhead@gmail.com			Laboratory : G1-584, RIICO Industrial Area, Sitapura, Jaipur - 302022, Rajasthan Phone : +91 9460222039, 9460222049, Email : director@teamtesthouse.com, Email : marketinglab@teamtesthouse.com	

TEST REPORT

Report No./ULR No. :	TC502522600001536	Date :	24-08-2022
Issued To :	M/S Maliakhara Limestone Mine (ML No.-4/03) C/o JK Cement Works, Tehsil-Nimbahera, District- Chittorgarh (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	05-08-2022
Point of Collection :	Near Ravana Office, Maliakhara Mine	Date of Receipt :	09-08-2022
Date of Test/Analysis :	09-08-2022 to 23-08-2022	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Sunil Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	61.7	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	53.6	IS 9989	65

Notes :-

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Purnan Mal Yogi
Senior Analyst

K.N. MUKHOPADHYAY
Authorized Signatory
(Report No: TC502522600001536)

J.K. Cement WORKS, NIMBAHERA (RAJ)
MALIAKHERA LIMESTONE MINE
MONTHLY AMBIENT NOISE MONITORING REPORT
April'2022 to September'2022

NOISE LEVEL MEASUREMENT RESULTS : (ALL VALUES IN dB(A))

Month	Near Mines Gate		Near Ravana Office	
	DAY	NIGHT	DAY	NIGHT
Apr-22	63.6	42.5	65.9	47.6
May-22	60.5	49.2	58.5	41.2
Jun-22	67.8	41	69.3	48.2
Jul-22	69.7	44.5	71.3	52.4
Aug-22	66.5	43.2	68.9	50.8
Sep-22	65.1	47.8	67.3	53.6

Pucc No :	D10RJ09124131
Vehicle No :	RJ09GC2918
Customer Name :	J.K CEMENT WORKS MANGROL
Customer Mobile :	9001999652
Year of Regn :	12-09-2018
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	TATA-407
Test Date :	07-11-2022
Time :	02:37:27 PM
Valid UpTo :	06-11-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya, Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

Flushing Cycle

Avg	RPM Min	RPM Max	Temp
679		1913	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	651	1940	0.60	22.7	NA
2	715	1915	0.47	18.2	NA
3	655	1895	0.62	23.5	NA
Mean			0.56	21.5	

VALID IN ALL INDIA

Photo of Vehicle



Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

Authorised Signatory

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Valid up to : **06-11-2023**
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Veh Reg No : RJ09GC2918
PUC No. : D10RJ09124131
Valid up to : **06-11-2023**
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Puce No :	D10RJ09124135
Vehicle No :	RJ09GA3270
Customer Name :	J.K. CEMENT WORKS
Customer Mobile :	9001999652
Year of Regn :	26-12-2007
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	1109
Test Date :	07-11-2022
Time :	03:06:30 PM
Valid UpTo :	06-05-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya,Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

Flushing Cycle			
Avg	RPM Min	RPM Max	Temp
691		2320	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	697	2419	0.78	28.6	NA
2	723	2237	0.83	29.9	NA
3	668	2277	0.88	31.4	NA
Mean			0.83	30.0	

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Veh Reg No : RJ09GA3270
PUC No. : D10RJ09124135
Valid up to : **06-05-2023**
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Pucc No :	D10RJ09124130
Vehicle No :	RJ09GA5816
Customer Name :	J.K. CEMENT WORKS
Customer Mobile :	9001999652
Year of Regn :	20-06-2011
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	909
Test Date :	07-11-2022
Time :	02:34:43 PM
Valid UpTo :	06-05-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya,Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

Flushing Cycle

Avg	RPM Min	RPM Max	Temp
659		2061	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	645	1998	0.71	26.4	NA
2	655	2123	0.81	29.5	NA
3	673	2005	0.64	24.2	NA
Mean			0.72	26.7	

VALID IN ALL INDIA

Photo of Vehicle



Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

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Veh Reg No : RJ09GA5816
PUC No : D10RJ09124130
Valid up to : 06-05-2023
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Pucc No :	D10RJ09124132
Vehicle No :	RJ09GB0572
Customer Name :	J.K CEMANT WORKS MANGROLE
Customer Mobile :	9001999652
Year of Regn :	25-08-2014
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	TATA-709
Test Date :	07-11-2022
Time :	02:43:02 PM
Valid Up To :	06-05-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya,Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle

Avg	RPM Min	RPM Max	Temp
612		2161	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	561	2179	0.71	26.2	NA
2	611	2103	0.80	29.2	NA
3	608	2197	0.76	27.9	NA
Mean			0.76	27.8	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

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Veh Reg No : RJ09GB0572
PUC No. : D10RJ09124132
Valid up to : **06-05-2023**
Scan QR Code to Validate

Pucc No :	D10RJ09122916
Vehicle No :	RJ09GC8175
Customer Name :	SARVODAYA MINING SERVICES
Customer Mobile :	9672781313
Year of Regn :	31-12-2019
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	4923 SIGNA
Test Date :	09-04-2022
Time :	07:00:17 PM
Valid UpTo :	08-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya,Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle

Avg	RPM Min	RPM Max	Temp
	599	1959	NA

Sr. No.	RPM Min	RPM Max	Km	HSUP%	Temp
1	589	1972	0.58	21.9	NA
2	572	1908	0.58	21.9	NA
3	589	1869	0.60	22.8	NA
Mean			0.58	22.2	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

Authorised Signatory

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Transport Dept. Govt. of Rajasthan



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Valid up to : **08-04-2023**
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Veh Reg No : RJ09GC8175
PUC No. : D10RJ09122916
Valid up to : **08-04-2023**
Scan QR Code to Validate

Pucc No :	D10RJ09119150
Vehicle No :	RJ09GC8178
Customer Name :	SARVODAYA MINING SERVICES
Customer Mobile :	9672781313
Year of Regn :	31-12-2019
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	4923 SIGNA
Test Date :	25-07-2021
Time :	01:22:03 PM
Valid UpTo :	24-01-2022
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya, Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle

Avg	RPM Min	RPM Max	Temp
654		2034	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	717	1878	0.60	22.8	NA
2	670	1881	0.50	19.2	NA
3	693	2031	0.55	20.9	NA
Mean			0.55	21.0	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station	Testing Station Code D10RJ09	Authorised Signatory
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Transport Dept. Govt. of Rajasthan



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Veh Reg No : RJ09GC8178
PUC No : D10RJ09119150
Valid up to : **24-01-2022**
Scan QR Code to Validate

Pucco No :	D10RJ09122912
Vehicle No :	RJ09GC8179
Customer Name :	SARVODAYA MINING SERVICES
Customer Mobile :	9672781313
Year of Regn :	01-12-2019
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	H G V
Test Date :	09-04-2022
Time :	06:22:44 PM
Valid UpTo :	08-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya,Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle			
Avg	RPM Min	RPM Max	Temp
	636	1973	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	648	1831	0.58	22.1	NA
2	680	1923	0.61	23.2	NA
3	618	1882	0.54	20.6	NA
Mean			0.58	22.0	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

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Testing Station Code
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Authorised Signatory

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Veh Reg No : RJ09GC8179
PUC No. : D10RJ09122912
Valid up to : **08-04-2023**
Scan QR Code to Validate

Pucc No :	D10RJ09122927
Vehicle No :	RJ09GC8283
Customer Name :	SARVODAYA MINING SERVICES
Customer Mobile :	9672781313
Year of Regn :	14-01-2020
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	4923 SIGNA
Test Date :	10-04-2022
Time :	10:39:57 AM
Valid UpTo :	09-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya,Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle			
Avg	RPM Min	RPM Max	Temp
627		1782	NA

St. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	611	1771	0.54	20.8	NA
2	658	1795	0.56	21.5	NA
3	587	1903	0.58	21.9	NA
Mean			0.56	21.4	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

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Seal of Testing Station

Testing Station Code
D10RJ09

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Transport Dept. Govt. of Rajasthan



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PUC No. : D10RJ09122927
Valid up to : **09-04-2023**
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Veh Reg No : RJ09GC8283
PUC No. : D10RJ09122927
Valid up to : **09-04-2023**
Scan QR Code to Validate

Pucc No :	D10RJ09122928
Vehicle No :	RJ09GC8280
Customer Name :	SARVODAYA MINING SERVICES
Customer Mobile :	9672781313
Year of Regn :	01-04-2020
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	4923 SIGNA
Test Date :	10-04-2022
Time :	11:34:51 AM
Valid UpTo :	09-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chandentya,Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle

Avg	RPM Min	RPM Max	Temp
636		1917	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	662	1996	0.56	21.4	NA
2	613	1910	0.61	23.2	NA
3	600	1965	0.60	22.8	NA
Mean			0.59	22.5	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

Authorised Signatory

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PUC No. : D10RJ09122928
Valid up to : 09-04-2023
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Veh Reg No : RJ09GC8280
PUC No. : D10RJ09122928
Valid up to : 09-04-2023
Scan QR Code to Validate

Pucc No :	D10RJ09122918
Vehicle No :	RJ09GC8180
Customer Name :	SAVORDAYA MINING SERVICES
Customer Mobile :	9672781313
Year of Regn :	31-12-2019
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	4923 SIGNA
Test Date :	09-04-2022
Time :	07:12:05 PM
Valid UpTo :	08-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya,Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle

Avg	RPM Min	RPM Max	Temp
625		1891	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	567	1952	0.52	20.1	NA
2	568	1814	0.42	16.4	NA
3	634	1786	0.64	23.9	NA
Mean			0.52	20.1	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	55
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

Authorised Signatory

D10RJ09

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Transport Dept. Govt. of Rajasthan

Transport Dept. Govt. of Rajasthan



Veh Reg No : RJ09GC8180
PUC No. : D10RJ09122918
Valid up to : **08-04-2023**
Scan QR Code to Validate



Veh Reg No : RJ09GC8180
PUC No. : D10RJ09122918
Valid up to : **08-04-2023**
Scan QR Code to Validate

Pucc No :	D10RJ09122930
Vehicle No :	RJ09GC8285
Customer Name :	SARVODAYA MINING SERVICES
Customer Mobile :	9672781313
Year of Regn :	14-01-2020
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	4923 SIGNA
Test Date :	10-04-2022
Time :	12:04:47 PM
Valid UpTo :	09-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya,Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle

Avg	RPM Min	RPM Max	Temp
695		1776	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	673	1712	0.56	21.3	NA
2	715	1724	0.58	21.9	NA
3	678	1739	0.61	23.1	NA
Mean			0.58	22.1	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

Authorised Signatory

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Transport Dept. Govt. of Rajasthan

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Veh Reg No : RJ09GC8285
PUC No : D10RJ09122930
Valid up to : **09-04-2023**
Scan QR Code to Validate



Veh Reg No : RJ09GC8285
PUC No : D10RJ09122930
Valid up to : **09-04-2023**
Scan QR Code to Validate

Pucc No :	D10RJ09122919
Vehicle No :	RJ09GC8963
Customer Name :	SAROVODAY MINING SERVICES
Customer Mobile :	9672781313
Year of Regn :	05-03-2020
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	4923 SIGNA
Test Date :	09-04-2022
Time :	07:18:13 PM
Valid UpTo :	08-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya,Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hertridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles

Certificate price: ₹ 100

Flushing Cycle			
Avg	RPM Min	RPM Max	Temp
615		1787	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	602	1898	0.54	20.7	NA
2	593	1743	0.54	20.6	NA
3	628	1788	0.49	19.1	NA
Mean			0.52	20.1	

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

Authorised Signatory

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PUC No. : D10RJ09122919
Valid up to : **08-04-2023**
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Veh Reg No : RJ09GC8963
PUC No. : D10RJ09122919
Valid up to : **08-04-2023**
Scan QR Code to Validate

Pucc No :	D47RJ09105636
Vehicle No :	RJ09GC9292
Customer Name :	UB ROAD LINE
Customer Mobile :	6200000000
Year of Regn :	28-04-2020
Type of Vehicle :	TRUCK
Make :	Ashok Leyland Ltd
Model :	LAYLAND
Test Date :	17-02-2022
Time :	04 01:37 PM
Valid Up To :	16-02-2023
Center Name :	Harshita PUC Center,(RJ14-GD-4220)
Center Address :	Nabaheda Chetak Toll Plaza,Chittorgarh
Licence No :	RJ09-47
Test Result :	Pass

Flushing Cycle

Avg	RPM Min	RPM Max	Temp
678		1896	0

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	690	1915	0.551	21.1	000.0
2	690	1871	0.536	20.6	000.0
3	690	2005	0.602	22.8	000.0
Mean			0.563	21.5	

VALID IN ALL INDIA

Photo of Vehicle



Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

Authorised Signatory

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Transport Dept. Govt. of Rajasthan

Transport Dept. Govt. of Rajasthan



Veh Reg No : RJ09GC9292
PUC No. : D47RJ09105636
Valid up to : **16-02-2023**
Scan QR Code to Validate



Veh Reg No : RJ09GC9292
PUC No. : D47RJ09105636
Valid up to : **16-02-2023**
Scan QR Code to Validate

Pucc No :	D10RJ09122926
Vehicle No :	RJ09GC8176
Customer Name :	SARVODAYA MINING SERVICES
Customer Mobile :	9672781313
Year of Regn :	01-12-2019
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	4923 SIGNA
Test Date :	10-04-2022
Time :	10:34:56 AM
Valid Up To :	09-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya,Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle

Avg	RPM Min	RPM Max	Temp
684		1960	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	657	1862	0.53	20.4	NA
2	721	2034	0.62	23.4	NA
3	721	2020	0.49	18.9	NA
Mean			0.55	20.9	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

Authorised Signatory

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Veh Reg No : RJ09GC8176
PUC No. : D10RJ09122926
Valid up to : **09-04-2023**
Scan QR Code to Validate



Veh Reg No : RJ09GC8176
PUC No. : D10RJ09122926
Valid up to : **09-04-2023**
Scan QR Code to Validate

Pucc No :	D10RJ09122915
Vehicle No :	RJ09GC7972
Customer Name :	SARVODAYA MINING SERVICES
Customer Mobile :	9672781313
Year of Regn :	06-12-2019
Type of Vehicle :	OTHERS
Make :	Ashok Leyland Ltd
Model :	U-4923TT
Test Date :	09-04-2022
Time :	06:53:09 PM
Valid UpTo :	08-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chandernya,Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle

Avg	RPM Min	RPM Max	Temp
648		1902	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	616	1949	0.53	20.2	NA
2	685	1955	0.55	20.9	NA
3	666	1862	0.63	23.8	NA
Mean			0.57	21.6	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS (I & II)	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

Authorised Signatory

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Veh Reg No : RJ09GC7972
PUC No. : D10RJ09122915
Valid up to : **08-04-2023**
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Veh Reg No : RJ09GC7972
PUC No. : D10RJ09122915
Valid up to : **08-04-2023**
Scan QR Code to Validate

Pucc No :	D10RJ09122923
Vehicle No :	RJ09GC7967
Customer Name :	SARVODAYA MINING SERVICES
Customer Mobile :	9672781313
Year of Regn :	06-12-2019
Type of Vehicle :	OTHERS
Make :	Ashok Leyland Ltd
Model :	HGV
Test Date :	10-04-2022
Time :	10:14:56 AM
Valid Up To :	09-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya, Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

Flushing Cycle

Avg	RPM Min	RPM Max	Temp
621		2009	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	621	2044	0.59	22.4	NA
2	624	1927	0.48	18.8	NA
3	627	1920	0.48	18.8	NA
Mean			0.52	20.0	

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Photo of Vehicle



Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

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Veh Reg No : RJ09GC7967
PUC No. : D10RJ09122923
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Veh Reg No : RJ09GC7967
PUC No. : D10RJ09122923
Valid up to : 09-04-2023
Scan QR Code to Validate

Pucc No :	D10RJ09122929
Vehicle No :	RJ09GC7970
Customer Name :	SARVODAYA MINING SERVICES
Customer Mobile :	9672781313
Year of Regn :	14-01-2020
Type of Vehicle :	OTHERS
Make :	Ashok Leyland Ltd
Model :	U-4923TT
Test Date :	10-04-2022
Time :	11:43:43 AM
Valid UpTo :	09-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya,Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle

Avg	RPM Min	RPM Max	Temp
613		1961	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	568	1835	0.53	20.9	NA
2	605	1884	0.62	23.3	NA
3	607	1902	0.49	19.1	NA
Mean			0.55	20.9	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

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Veh Reg No : RJ09GC7970
PUC No. : D10RJ09122929
Valid up to : **09-04-2023**
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Veh Reg No : RJ09GC7970
PUC No. : D10RJ09122929
Valid up to : **09-04-2023**
Scan QR Code to Validate

Pucc No :	D10RJ09122920
Vehicle No :	RJ09GC7969
Customer Name :	SARVODAYA MINING SERVICES
Customer Mobile :	9672781313
Year of Regn :	06-12-2019
Type of Vehicle :	OTHERS
Make :	Ashok Leyland Ltd
Model :	HGV
Test Date :	09-04-2022
Time :	07:23:41 PM
Valid Up To :	08-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya,Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle

Avg	RPM Min	RPM Max	Temp
644		1996	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	632	2029	0.58	22.2	NA
2	626	1897	0.58	22.2	NA
3	674	2035	0.59	22.4	NA
Mean			0.59	22.3	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

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Veh Reg No : RJ09GC7969
PUC No. : D10RJ09122920
Valid up to : 08-04-2023
Scan QR Code to Validate

Pucc No :	D47RJ09109419
Vehicle No :	RJ09GB0686
Customer Name :	SARVODYA MINIGS
Customer Mobile :	6111111111
Year of Regn :	01-04-2017
Type of Vehicle :	TRUCK
Make :	Ashok Leyland Ltd
Model :	LAYLAND
Test Date :	08-11-2022
Time :	01:21:11 PM
Valid Up To :	07-11-2023
Center Name :	Harshita PUC Center,(RJ14-GD-4220)
Center Address :	Nibaheda Chetak Toll Plaza,Chittorgarh
Licence No :	RJ09-47
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle			
Avg	RPM Min	RPM Max	Temp
663		1880	0

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	619	1944	0.551	21.1	000.0
2	619	1935	0.596	22.6	000.0
3	619	1926	0.510	19.7	000.0
Mean			0.552	21.1	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

Authorised Signatory

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Transport Dept. Govt. of Rajasthan

Transport Dept. Govt. of Rajasthan



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Valid up to : **07-11-2023**
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Veh Reg No : RJ09GB0686
PUC No. : D47RJ09109419
Valid up to : **07-11-2023**
Scan QR Code to Validate

Pucc No :	D10RJ09122911
Vehicle No :	RJ09GC8967
Customer Name :	SARVODAYA MNING SERVICES
Customer Mobile :	9672781313
Year of Regn :	05-03-2020
Type of Vehicle :	TIPPER
Make :	Tata Motors
Model :	4923 SIGNA
Test Date :	09-04-2022
Time :	06:17:57 PM
Valid UpTo :	08-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya, Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle

Avg	RPM Min	RPM Max	Temp
655		1810	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	612	1783	0.54	20.7	NA
2	679	1834	0.62	23.4	NA
3	604	1736	0.53	20.4	NA
Mean			0.56	21.5	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

Authorised Signatory

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Transport Dept. Govt. of Rajasthan

Transport Dept. Govt. of Rajasthan



Veh Reg No : RJ09GC8967
PUC No : D10RJ09122911
Valid up to : 08-04-2023
Scan QR Code to Validate



Veh Reg No : RJ09GC8967
PUC No : D10RJ09122911
Valid up to : 08-04-2023
Scan QR Code to Validate

Pucc No :	D10RJ09122931
Vehicle No :	RJ09GC8964
Customer Name :	SARVODAYA MINING SERVICES
Customer Mobile :	9672781313
Year of Regn :	05-03-2020
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	4923 SIGNA
Test Date :	10-04-2022
Time :	12:09:42 PM
Valid Up To :	09-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya, Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle			
Avg	RPM Min	RPM Max	Temp
665		1943	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	722	2002	0.57	21.8	NA
2	702	1873	0.46	17.8	NA
3	652	1958	0.50	19.3	NA
Mean			0.51	19.6	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station	Testing Station Code D10RJ09	Authorised Signatory
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Transport Dept. Govt. of Rajasthan

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Veh Reg No : RJ09GC8964
PUC No : D10RJ09122931
Valid up to : 09-04-2023
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Veh Reg No : RJ09GC8964
PUC No : D10RJ09122931
Valid up to : 09-04-2023
Scan QR Code to Validate

Pucc No :	D10RJ09122925
Vehicle No :	RJ09GC8966
Customer Name :	SARVODAYA MINING SIRVCES
Customer Mobile :	9672781313
Year of Regn :	05-03-2020
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	4923 SIGNA
Test Date :	10-04-2022
Time :	10:29:24 AM
Valid UpTo :	09-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya,Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle

Avg	RPM Min	RPM Max	Temp
596		2034	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	567	2021	0.54	20.8	NA
2	653	2061	0.46	18.1	NA
3	630	1901	0.50	19.4	NA
Mean			0.50	19.4	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

Authorised Signatory

D10RJ09

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Transport Dept. Govt. of Rajasthan

Transport Dept. Govt. of Rajasthan



Veh Reg No : RJ09GC8966
PUC No. : D10RJ09122925
Valid up to : 09-04-2023
Scan QR Code to Validate



Veh Reg No : RJ09GC8966
PUC No. : D10RJ09122925
Valid up to : 09-04-2023
Scan QR Code to Validate

Pucc No :	D10RJ09122932
Vehicle No :	RJ09GC8284
Customer Name :	SARVODAYA MINING SERVICES
Customer Mobile :	9672781313
Year of Regn :	14-01-2020
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	4923 SIGNA
Test Date :	10-04-2022
Time :	12:15:39 PM
Valid UpTo :	09-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya, Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

Flushing Cycle			
Avg	RPM Min	RPM Max	Temp
	630	1938	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	606	1925	0.56	21.5	NA
2	647	1843	0.45	17.7	NA
3	650	2009	0.55	21.2	NA
Mean			0.52	20.1	

VALID IN ALL INDIA

Photo of Vehicle



Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

Authorised Signatory

D10RJ09

CERTIFICATE IS ONLY VALID IF SMS RECEIVED FROM REILTRANSPORT DEPT. KINDLY DESTROY THE INVALID CERTIFICATE.

Transport Dept. Govt. of Rajasthan

Transport Dept. Govt. of Rajasthan



Veh Reg No : RJ09GC8284
PUC No : D10RJ09122932
Valid up to : **09-04-2023**
Scan QR Code to Validate



Veh Reg No : RJ09GC8284
PUC No : D10RJ09122932
Valid up to : **09-04-2023**
Scan QR Code to Validate

Puc No :	D10RJ09122922
Vehicle No :	RJ09GC8281
Customer Name :	SARVODAYA MINING SERVICES
Customer Mobile :	9672781313
Year of Regn :	14-01-2020
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	4923 SIGNA
Test Date :	10-04-2022
Time :	09:29 24 AM
Valid UpTo :	09-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderya, Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle			
Avg	RPM Min	RPM Max	Temp
	666	1948	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	599	1941	0.57	21.7	NA
2	615	1946	0.48	18.5	NA
3	645	2033	0.44	17.1	NA
Mean			0.49	19.1	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

Authorised Signatory

D10RJ09

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Transport Dept. Govt. of Rajasthan

Transport Dept. Govt. of Rajasthan



Veh Reg No : RJ09GC8281
PUC No : D10RJ09122922
Valid up to : 09-04-2023
Scan QR Code to Validate



Veh Reg No : RJ09GC8281
PUC No : D10RJ09122922
Valid up to : 09-04-2023
Scan QR Code to Validate

Pucc No :	D10RJ09122917
Vehicle No :	RJ09GC7971
Customer Name :	SARVODAYA MINING SERVICES
Customer Mobile :	9672781313
Year of Regn :	06-12-2019
Type of Vehicle :	OTHERS
Make :	Ashok Leyland Ltd
Model :	HGV
Test Date :	09-04-2022
Time :	07:06:14 PM
Valid Up To :	08-04-2023
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya,Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle

Avg	RPM Min	RPM Max	Temp
	691	1959	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	737	1981	0.53	20.5	NA
2	725	1887	0.54	20.7	NA
3	689	2041	0.50	19.2	NA
Mean			0.52	20.1	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

Authorised Signatory

D10RJ09

CERTIFICATE IS ONLY VALID IF SMS RECEIVED FROM REIL/TRANSPORT DEPT. KINDLY DESTROY THE INVALID CERTIFICATE.

Transport Dept. Govt. of Rajasthan

Transport Dept. Govt. of Rajasthan



Veh Reg No : RJ09GC7971
PUC No. : D10RJ09122917
Valid up to : **08-04-2023**
Scan QR Code to Validate



Veh Reg No : RJ09GC7971
PUC No. : D10RJ09122917
Valid up to : **08-04-2023**
Scan QR Code to Validate

FORM - O

(See rule 29F (2) and 29L)

Quarry OperatorSaurbh & Co.[Signature]08/08/1**Report of Medical Examination under rule 29 B**

(To be issued in triplicate **)

Certificate No.

Certified that shri **KAMLESH CHANDRA DANGI S/O UDAIRAM DANGI** as **DUPER DRIVER** in **MALIA KHERA LIME STONE MINES**, Form B No. Has been examined for an **initial / periodical** medical examination. He appears to be **28** years of age.

The findings of the examining authority are given in the attached sheet. It is considered that -

Shri. **KAMLESH CHANDRA DANGI**.

a) * is medically fit for any employment in mines, ✓

b) * is suffering from and is medically unfit for - ✗

(i) Any employment in mine; or

(ii) Any employment below ground; or

(iii) Any employment or work

c) * is suffering from should get this disability cured / controlled * and should be again examined within a period of months. He will appear for re-examination with the result of test of and the opinion of ✗

Specialist from He may be permitted / not permitted * to carry on his duties during this period



Signature of the examining

D. S. K. CHAUDHARY
C.M.O.

J. K. Cement Works
NIMBAHERA (Raj.)
Name and designation in
Block letters.

Delete whatever is not applicable** One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post; and the third copy shall be retained by the examining authority.

FORM - O (Continued)

Report of the examination authority

(To be filled in for every medical examination whether initial or periodical or re-examination or after cure / control of disability)

Annexure to certificate no. _____ As a result of medical examination on 04/07/22

Identification Mark -

Scar mark on side of the face

Left thumb impression of the candidate.

1. General Development

Good / Fair / Poor

2. Height: 172 cms.

3. Weight: 71 kg.

4. Eyes :-

(i) Visual acuity N Distance vision (with or without glasses)

(ii) Any organic disease of eyes none

(iii) Night blindness no

(iv) Color blindness no

(v) Squint _____

(To be tested in special cases)

5. Ears :-

(i) Hearing Right ear N Left ear N

(ii) Any organic disease none

6. Respiratory system (Chest measurement) :-

WAHABUDDIN After full inspiration: 88 cms.

C.M.O. After full expiration: 94 cms.

7. Circulatory system :-

(i) Blood Pressure :- 120/90 mmhg.

(ii) Pulse :- 81 / min.

Abdomen :-

- (i) Tenderness non
(ii) Liver } NP
(iii) Spleen } NP
(iii) Tumour not seen

Nervous system :-

- (i) History of fits or epilepsy no
(ii) Paralysis no
(iii) Mental Health fair

Locomotors system (N)

Skin (N)

Hernia no

Hydrocele no

Any other abnormality none


Urine :-

- (i) Reaction acidic
(ii) Albumin nil
(iii) Sugar nil

Skiagram of chest. NA P

Any other test considered necessary by the examining authority.-----

Any opinion of specialist considered necessary-----

Signature of the examining Authority. 

DR. K. K. CHAUDHARY
C.M.O.
J. K. Cement Works
NIMBAHERA (Raj.)
Reg. No. 21732

e:- Nimbahera

Report of Medical Examination under Mines Rules 29 B

(To be used in continuation of Form O)

Certificate No. :-

Name: -. KAMLESH CHANDRA DANGI.

Identification Marks:- Scar mark over (D) side of the face

Result of Lung Function Test (Spirometry)

Particulars	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FVC)	3.72	3.80	102
Forced Expiration Volume -1 (FEV-1)	3.16	3.76	119
FEV-1 / FVC	84.95	98.95	116
Peak Expiratory Flow	9.41	8.60	91

Spirometry report enclosed

Signature of Examination Authority

Dr. S. K. CHAUDHARY
C.M.O.
J. K. Cement Works
NIMBAHERA (Raj.)
Regd. No. 2133

Dr. S. K. CHAUDHARY
C.M.O.
J. K. Cement Works
NIMBAHERA (Raj.)
Regd. No. 2133

Report of Medical Examination as per the recommendations of National Safety Conference in Mines

(To be used in continuation of Form O)

Certificate No. :-

Name: - KAMLESH CHANDRA DANGI.

Identification Marks:-

Scar mark over L side of the face

01. Cardio logical Assessment :-

Auscultation	S1	(N)
	S2	(N)
	Additional Sound	none
Electrocardiographs (12 leads) findings		Normal / Abnormal

Enclosed ECG

02. Neurological Assessment :-

Findings	Normal / Abnormal
Superficial Reflexes	(N)
Deep Reflexes	(N)
Peripheral Circulation	(N)
Vibrational Syndromes	(N)

03. ILO Classifications of Chest Radiograph:-

Profusion of Pneumoconiosis opacities	Grade	Types
Present / Absent	—	—

Enclose Chest Radiograph

Continued:-

04. Audiometry Findings :-

Conduction Type	Left Ear	Right Ear
Ear Conduction	Normal / Abnormal	Normal / Abnormal
Bone Conduction	Normal / Abnormal	Normal / Abnormal

Enclosed Audiometry Report

05. Pathological / Microbiological Investigations :-

Sr. No.	Tests	Findings
01.	Blood- Tlc, Dlc, Hb, ESR, Platelets	WNL / Abnormal
02.	Blood Sugar – Fasting & PP	WNL / Abnormal
03.	Lipid Profile	WNL / Abnormal
04.	Blood Urea , Creatinine	WNL / Abnormal
05.	Urine Routine	WNL / Abnormal
06.	Stool Routine	WNL / Abnormal

06. Special Test foe Mn Exposure :-

Behavioral Disturbances		Present / Not Present
Neurological Disturbance	Special Defect	Present / Not Present
	Tremor	Present / Not Present
	Adiadocokinesia	Present / Not Present
	Emotional Changes	Present / Not Present

Any other Test Required

Signature of Examination Authority

Dr. S. K. CHAUDHARY
C.M.O.

J. K. Cement Works
NIMBAHERA (Raj.)
Reg. No. 21732